

CITY OF DOVER

DOVER CONSERVATION COMMISSION – AGENDA

Meeting Type: Regular Meeting
Meeting Location: City Council Conference Room - 288 Central Avenue Dover NH
Meeting Date: Monday, December 11th, 2023
Meeting Time: 5:30 pm

1. CALL TO ORDER AND ROLL CALL

2. CITIZEN'S FORUM

3. APPROVAL OF THE PRIOR MEETING MINUTES – November 13th, 2023

4. OLD BUSINESS

5. NEW BUSINESS

A. City of Dover Conditional Use Permits and a NHDES Wetlands Permit for David Lemieux, (Agent: Gove Environmental Services, Inc.), Assessor's Map 8, Lot 19, zoned R-20, located at 14 Leighton Road. Proposal is to demolish an existing single-family house and cottage and construct a new single-family house and cottage further inland creating 1,908 square feet of temporary impact and 2,067 square feet of permanent impact to the 50-foot wetlands buffer as well as 2,887 square feet of temporary impact and 8,362 square feet of permanent impact to the Conservation District.

B. Natural Resources Inventory Project Update

C. Conservation and Open Space Master Plan Chapter

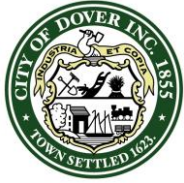
6. REPORT FROM THE CHAIR

A. Review of Correspondence received from NH Department of Environmental Services

7. OTHER BUSINESS

A. Update from Forest Management Subcommittee

8. ADJOURNMENT



CITY OF DOVER

DOVER CONSERVATION COMMISSION – MINUTES

Meeting Type: Regular Meeting
Meeting Location: City Council Conference Room - 288 Central Avenue, Dover, NH
Meeting Date: Monday, November 13, 2023
Meeting Time: 5:30 pm

MEMBERS PRESENT: Bill Hunt (Chair), Steve Fellows (Vice Chair), Robert Atwood, Abigail Lyon, Jay Aube, Kristin Murphy, Amy Kramer Perry, Bruce Batchelder (Alternate)

Absent (Excused): Jake Geddes

STAFF PRESENT: Jackson Kaspari – Resilience Manager

OTHERS PRESENT: Councilor Williams, Kathleen Blake, Paul Pouliot, Whitney Carrier, Wade Lippert, Jessica Graustein, Autumn Scott (Virtual)

1. CALL TO ORDER AND ROLL CALL

The meeting was convened at 5:30 PM.

2. CITIZENS' FORUM

A member of the public mentioned he has materials relating to the Foraging item if anyone has questions and the Chair noted this item will be discussed as an agenda item tonight.

3. APPROVAL OF THE PRIOR MEETING MINUTES – October 10, 2023

S. Fellows moved to approve the minutes of October 10th as submitted. A. Lyon seconded.

Vote: 4 yes with Murphy, Aube and Kramer Perry abstaining.

4. OLD BUSINESS:

A. Recognizing Traditional Foraging Rights on City of Dover Public Conservation Lands

The Commission received a resolution describing what the City is proposing. The document has been reviewed by City Attorney and the Commission may vote to adopt this policy tonight if it chooses.

J. Kaspari noted there has been discussion about this topic at previous meetings. At the last meeting, the Commission sought additional input from Open Lands and Racial Equity Committees. The resolution was reviewed, and edits were submitted and included in the version for review tonight. Once the Commission votes to adopt it, it will go to City Council. He highlighted the changes to the document since the last review.

The Commission members discussed the document and made additional requests for edits.

Public Comment:

K. Blake, W. Carrier and P. Pouliot spoke in favor of the policy as presented.

S. Fellows moved the Conservation Commission adopt the policy. A. Lyon seconded. Vote: 7 yes.

5. NEW BUSINESS:

A. City of Dover Conditional Use Permit for Portsmouth Christian Academy, (Agent: Oak Point Associates), Assessor's Map J, Lot 1-C, zoned R-40, located at 20 Seaborne Drive. Proposal is to expand the existing playground area creating 607 square feet of temporary impact and 3,852 square feet of permanent impact to the wetland buffer.

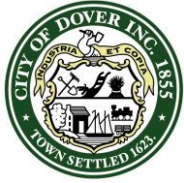
Wade Lippert, Oak Point Associates represented the application, gave an overview of the project involving expanding a playground area and reviewed the project plans.

2023.11.13_ConservationCommission.Minutes

Document Created by: Planning Dept

Posted: November 27, 2023

Page 1 of 2



CITY OF DOVER

DOVER CONSERVATION COMMISSION – MINUTES

Meeting Type: Regular Meeting
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Meeting Date: Monday, November 13, 2023
Meeting Time: 5:30 pm

Mr. Lippert addressed questions relating to grass lawn versus mulch, impervious surfaces, wetland location, topography, timeline, drainage system and location and trees.

Discussion occurred about letting a portion of the lawn return to a natural condition to offset the buffer impact.

S. Fellows moved to endorse the CUP contingent upon the applicant attempting to return a similar square footage of the previously mowed wetland buffer area to a natural state with emphasis placed on an educational opportunity for the students. K. Murphy seconded. Vote: 7 yes.

The Commission clarified for the applicant that this is a recommendation for the Planning Board who will have the ultimate approving authority.

B. Natural Resources Inventory Kickoff

Autumn Scott, Strafford Regional Planning Commission (attending virtually) presented the information including the project process, workflow, project funding, project staff, goals, uses and timeline.

The goal of the project is to develop an inventory of Dover's natural resources to be used as a tool for land use boards and staff to utilize.

Members, J. Kaspari and Ms. Scott brainstormed and discussed additional uses and goals for the project.

Kramer Perry left at 6:34 pm and B. Batchelder moved into a voting role.

6. REPORT FROM THE CHAIR

A. Review of Correspondence Received from NH Department of Environmental Services

J. Kaspari noted an update that an appeal was filed, and he will keep everyone up to date as it progresses.

7. OTHER BUSINESS

A. Update from Forest Management Subcommittee

S. Fellows reported they formally installed Russ Warnock to the subcommittee and discussed the pocket forest/ restoration project near Garrison School. J. Kaspari noted he is working with John Storrer on irrigation options for that project.

8. ADJOURNMENT

S. Fellows moved to adjourn. A. Lyon seconded. Vote: 7 yes.

The meeting was adjourned at 6:45 PM.



City of Dover, New Hampshire

CONDITIONAL USE PERMIT APPLICATION

[Revision Date: October 19, 2020]

Office Use Only	Project #:	_____	Date Received:	_____
	Amount Paid:	_____	Time Received:	_____

APPLICANT AND OWNER INFORMATION

Name of Applicant: David Lemieux Telephone # 603-235-4370

Address of Applicant: 14 Leighton Rd, Dover, NH

E-Mail Address: david@lemieuxbuildersllc.com

Name of Property Owner (if different from applicant): Same Telephone # Same

Address of Property Owner: Same

PROPERTY INFORMATION

Assessor's Map # 8 Lot(s) # 19

Address of Property: 14 Leighton Rd

Zoning District(s) R-20 Overlay District(s) Wetland Protection and Conservation

Existing Use of Property: Residential

CONDITIONAL USE PERMIT INFORMATION

Type of Conditional Use Permit (Check All That Apply):

- | | | |
|---|---|--|
| ☒ Conservation District | ☐ RCM Use Overlay District | ☐ Gateway District |
| ☐ Groundwater Protection | ☐ Off-Street Parking and Loading | ☐ Alternative Treatment Center |
| ☒ Wetland Protection District | ☐ Central Business District | ☐ Heritage Residential District |

Describe Proposed Use or Activity That Requires Conditional Use Permit and Describe Any Impacts:

The owner/applicant is proposing a residential redevelopment of the subject property that include the demolition of existing residential structure and accessory structure and construction of replacement dwellings. Disturbances will occur in the 50 ft previously disturbed tidal buffer and the previously disturbed 100 ft tidal buffer.

List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: _____

ACOE General Permit, NH DES Wetlands & Shoreland

Name of Professional That Prepared Plans: Beals Associates PLLC

Address 70 Portsmouth Ave, Stratham, NH Telephone #: 603-583-4860

Professional License #: Professional Engineer 9900 E-mail address: csmith@bealsassociates.com

SIGNATURES

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

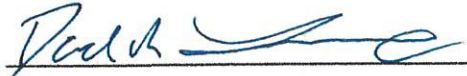
Signature of Property Owner:  Date: 12/5/23

Signature of Applicant (if different from owner): _____ Date: _____

Signature of Agent:  Date: 12/5/23

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I, and my successors, hereby authorize members of the Dover Planning Board, Planning Department and other pertinent City Departments and boards to enter my property for the purpose of evaluating this application, including performing inspections during the application phase, post-approval phase, construction phase and occupancy phase. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner:  Date: 12/5/23

**CITY OF DOVER CONDITIONAL USE
LIST OF ABUTTERS**

Pursuant to RSA 676:4, the State Law of New Hampshire, the City of Dover is required to notify the applicant, abutters (including holders of conservation easements), and any professional whose seal is on the plan, of the public hearing by certified mail, return receipt requested. Staff will provide the abutter information, while the applicant must provide accurate contact information for the owner, applicant and professional agents representing the project.

Owner:

TAX MAP	LOT #	PROPERTY OWNER	<u>MAILING ADDRESS</u>
8	19	David Lemieux	14 Leighton Rd, Dover, NH

Applicant (if different from owner):

APPLICANT NAME	APPLICANT COMPANY	<u>MAILING ADDRESS</u>

Surveyor and/or Engineer/Professional Agent:

NAME	COMPANY	<u>MAILING ADDRESS</u>
Brenden Walden	Gove Environmental Services, Inc	8 Continental Dr, Bldg 2, Unit H, Exeter, NH
Christian Smith	Beals Associates, PLLC	70 Portsmouth Ave, Suite 2, Stratham, NH

Conservation Easement Holder:

TAX MAP	LOT #	NAME OF EASEMENT HOLDER	<u>MAILING ADDRESS</u>

PLANNING BOARD FEE SCHEDULE/INVOICE

(Revised July 24, 2023)

Below are the fees associated with plan review and are subject to a nonrefundable application fee to cover administrative expenses. Please complete the information below and provide payment with your application submittal. **Plan review fees shall be paid prior to technical review committee (TRC) being scheduled.** For plans not requiring TRC review, **fees are due 21 days prior** to the Planning Board meeting. Staff will coordinate abutter/notice fees, which will be invoiced and must be paid 28 hours before the Planning Board meeting for an application to be heard. Fees shall be paid by cash or check made payable to "City of Dover".

A. Plan Review Fees

1. Application fee for the following (SELECT ALL THAT APPLY):

- ☐ SUBDIVISION Application fee \$200.00 + \$150.00 x # _____ new lots created = \$ _____
- ☐ LOT LINE ADJUSTMENT Application fee \$200.00 + \$100.00 X # _____ of lots involved = \$ _____
- ☐ TRANSFER OF DEVELOPMENT RIGHTS Application fee \$200.00 = \$ _____
- ☐ SITE REVIEW – RESIDENTIAL Application fee \$200.00+ \$100.00 x # _____ per dwelling unit = \$ _____
- ☐ SITE REVIEW – NON-RESIDENTIAL Application fee \$200.00 + (not to exceed \$10,000)
 - ☐ New construction \$.15 sq. ft. x # _____ sq. ft. = \$ _____
 - ☐ Additions (new floor space) \$.10 per sq. ft. x # _____ sq. ft. = \$ _____
- ☐ MOTEL/HOTEL \$35.00 x # _____ per lodging unit = \$ _____
- ☐ CHANGE OF USE Application fee \$200.00 + (not to exceed \$5,000)
 - ☐ Existing floor spaces \$.10 per sq. ft. x # _____ sq. ft. = \$ _____
- ☒ CONDITIONAL USE PERMIT Application fee \$200.00 x # 2 per Application = \$ 400
- ☐ GRAVEL PIT/ EXCAVATIONS
 - ☐ Application fee \$50.00 = \$ _____
 - ☐ Permit fee \$75.00 = \$ _____
- ☐ EXTENSIONS/AMENDMENTS/WAIVERS FOR AN APPROVED PLAN Application fee \$200.00 = \$ _____
- ☐ REQUEST FOR REZONING Application fee \$200.00 = \$ _____
- ☐ DRIVEWAY WAIVER Application fee \$200.00 = \$ _____
- ☐ **TOTAL IMPERVIOUS PAVED AREA** (for new development, roadways or additions to existing parking lots, (not to exceed \$10,000)) Application fee of \$200.00 is N/A if it is part of a Site Review or Subdivision Plan. \$200.00 + \$.07 per sq. ft. x # _____ sq. ft. = \$ _____

SUBTOTAL PLAN REVIEW FEE = \$ _____

AND

B. Abutter Notification/Mailing Labels - this office will create and print the abutter list and provide labels in triplicate for each abutter. The applicant/owner will review the list for accuracy and provide to us the engineer, architect, licensed land surveyor (LLS), licensed landscape architect (LLA) and/or soil scientist whose professional seal appears on the plan with names and addresses for notices.

- ☐ Applicant & Owner, engineer, architect, LLS, LLA and/or soil scientist
 - ☐ Certified letters fee # _____ of x \$10.00 = \$ _____
- ☐ Certified letters fee: # of abutters _____ X \$10.00 = \$ _____
- ☐ First Class Mail fee (for individual owner of units within a condominium or other collective form of ownership): # of abutters _____ X \$1.00 = \$ _____
- ☐ Creating/Printing Abutter Labels in triplicate per sheet _____ x \$10.00 = \$ _____

C. Foster's newspaper public notice fee \$120.00 x # _____ applications = \$ _____

SUBTOTAL = \$ _____

TOTAL INVOICE AMOUNT = \$ _____

PLAN REVIEW FEE COLLECTED/PAID = \$ _____

BALANCE DUE = \$ _____

The amount due must be paid 28 hours prior to the Planning Board Meeting, to be heard.



CITY OF DOVER, NEW HAMPSHIRE PLANNING APPLICATION OWNER AUTHORIZATION

OWNER AUTHORIZATION

I/We hereby submit this application to the City of Dover / City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Property Owner Name: David Lemieux
Signature(s) of Property Owner(s):  Date: 12/5/20
Signature of Applicant: _____ Date: _____
if different from owner

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity..

Property Owner Name: David Lemieux
Signature(s) of Property Owner(s):  Date: 12/5/20
Signature of Applicant: _____ Date: _____
if different from owner

IF SIGN PERMIT, SIGN PERMIT APPLICATION INFORMATION

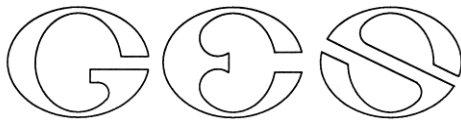
If the sign permit applicant is not the property owner, this form must be completed and included as part of application submission.

I have read this application and state that, to the best of my knowledge, the information provided is true and that the proposed sign(s) will comply with all applicable regulations in Section 170-32 of the Zoning Ordinance of the City of Dover and shall conform to the submitted materials and designs. Furthermore, after 90 days, any application still waiting information will be denied.

Address of Sign Location: _____

Sign Permit Application Type:
(check one)

- ☐ Permanent Sign
- ☐ Temporary Sign
- ☐ Community Sign



GOVE ENVIRONMENTAL SERVICES, INC.

December 5, 2023

To: City Of Dover, NH
Attn: Jackson Kaspari
Resilience Manager

From: Brenden Walden
President & NH CWS
Gove Environmental Services, Inc.

Subject: Conditional Use Permit Application
14 Leighton Rd, Dover

Re: Supplemental Conditional Use Permit Information

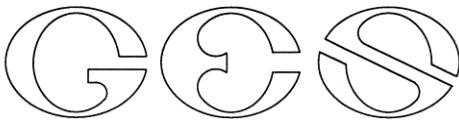
Mr. Kaspari,

Per our email coordination related to the submission of the materials for the residential redevelopment project on 14 Leighton Rd please see below narrative related to the impacts within both the Wetland Protection District as well as the Conservation District.

Project Overview:

The applicant/owner of the subject property located on 14 Leighton Rd, identified on Tax Map 8 Lot 19 is proposing a residential redevelopment of the property. Currently the 0.95-acre lot is occupied by two residential dwellings with one primary residential dwelling and the second a smaller cottage style dwelling. The structures are both currently accessed through an existing paved drive from Leighton Rd. The proposed redevelopment will demolish and remove the existing structures and construct two modernized versions of the dwellings, one primary residential dwelling and one accessory dwelling to maintain the current use of the property. The construction of the two proposed structures as shown on the site plan will move both structures outside of the identified 50ft tidal buffer, identified as the Wetland Protection District by the City Zoning Ordinance. The project also proposes permanent impact to this buffer area related to the construction of patios for both residences and a pool associated with the primary residence identified as accessory structures. The applicant is incorporating pervious pavers for the patios as well as incorporating porous pavement to assist in infiltration and reduce impervious surface on the property.

This project will require Federal, State and local permits including the Army Corps of Engineers General Permit, a NH Department of Environmental Services (DES) Dredge and Fill Permit for impacts within a previously disturbed 100 ft tidal buffer zone, a NH Department of Environmental Services Shoreland Permit for impact within the 250 ft protected shoreland district, and two City of Dover Conditional Use Permits for overlapping impacts to the Conservation District as well as the Wetland Protection District.



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NH DES state permit application have been submitted and are currently under review. The City of Dover Zoning Ordinance addresses the purpose and criteria of approval for impacts within 50ft buffers to jurisdictional wetlands. Those items are addressed below in the order they appear in the ordinance.

170-27.1. Wetland Protection District

B. Purpose and intent. It is intended that this section shall:

(1) Prevent the development of STRUCTUREs and land uses on wetlands, which will contribute to pollution of surface and ground water by sewerage, toxic substances or sedimentation.

The applicants proposed residential redevelopment will propose to demolish relocate and construct two dwellings on the property. These dwellings include an accessory dwelling structures and primary residential structure that will similarly represent the current use of the property. The applicant will move both structures further from the resource area so that residential dwellings will be within the 50 ft previously disturbed tidal buffer zone. Accessory structures are proposed within the 50 ft previously disturbed tidal buffer. These structures include patios associated with each dwelling that will utilize pervious pavers to assist with infiltration and reduce the impervious area on the subject property. Additionally, a pool and fence will be incorporated with the primary dwelling.

(2) Prevent the destruction of, or significant changes to, wetlands which provide flood protection, recharge the groundwater supply and augment stream flow during dry periods and filtration of water flowing into ponds and streams.

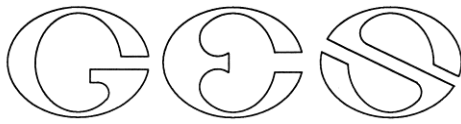
The proposed redevelopment does not promote significant changes to the existing conditions of the subject property as it's primary use is for residential occupation with a dominant amount of the property consisting of maintained lawn area with some maintained vegetation. No direct wetland impacts are proposed on this site and by incorporating pervious pavers and pavement it will allow for additional infiltration on the property prior to runoff reaching the resource area.

(3) Avoid and minimize impacts to wetlands and wetland buffers to the maximum extent practicable and when impacts are unavoidable, minimize impacts to the greatest extent practicable.

The subject property is less than one acre in size and is of a unique shape which comes with limitations for potential designs and layouts to meet the project objects and maintain productive use of the coastal property. The owner/applicant of this project has moved both dwellings outside of the 50ft previously disturbed tidal buffer while, still being able to achieve the desired design to maintain the coastal views and vista associated that these kinds of coastal properties.

(4) Protect unique and unusual natural areas and rare, threatened, and endangered species.

The subject property as previously described is dominantly maintained lawn area, with few mature trees present and some areas of sparse maintained vegetation. An NHB report was run for



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this property as required for the NH DES permit applications. That report came back with a notice for Atlantic Sturgeon, Shortnose Sturgeon, Sparsely Vegetation Intertidal System, and Subtidal System. Since this application does not proposed any disturbance within the resource area and the project moves the structures further from the resource NH Fish and Game had no concerns with the project. See email correspondence in State Applications.

(5) Protect wildlife habitats, maintain ecological balances and enhance ecological values such as those cited in RSA 482-A:1.

As previously described the property is almost entirely maintained lawn area, in a developed residential area with the primary resource area identified as Great Bay being the main wildlife habitat. The redevelopment of this one-acre lot that is currently in use as a residentially occupied property will not result in any observable impacts to the resource area.

(6) Protect potential water supplies and existing aquifers (water-bearing stratum) and aquifer recharge areas.

The proposed redevelopment project moves the dwellings outside of the 50ft buffer to the resource area. Impacts within the 50 ft buffer of the resource area will be constructed utilizing pervious pavers to assist with infiltration. As the property is maintaining its current use there should be no observable impacts to existing water supplies.

(7) Prevent unnecessary or excessive expense to the city for the purpose of providing and/or maintaining essential services and utilities, which might be required as a result of misuse or abuse of wetlands.

As the property is currently being used as a residentially occupied property there will be no change in the services provided to the property.

(8) Encourage those low-intensity uses that can be harmoniously, appropriately and safely located in wetlands.

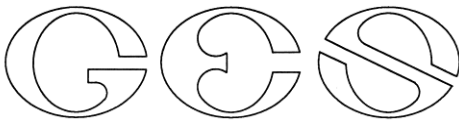
There are no propose disturbances to wetlands on site. All proposed disturbances are proposed to occur within the previously disturbed tidal buffer zone.

(9) Preserve and enhance the aesthetic values associated with wetlands in the City of Dover.

The proposed development will preserve and enhance the aesthetic values associated with the residential properties located along coastal corridors in the City of Dover.

(10) Avoid the high costs of constructing heavy STRUCTURES and prevent damage to STRUCTURES and abutting properties caused by inappropriate development in wetland areas.

The owners proposed residential redevelopment will maintain a buffer to the abutting properties and will not result in any negative impacts to those properties.



F. Conditional use approval.

(1) Conditional use approval may be granted by the PLANNING BOARD (RSA 674:21II) after proper public notice and public hearing, for construction within the Wetland Protection District or buffer. Said construction may include, but is not limited to a road or other accessway, utility right-of-way, communication lines, power lines and pipelines, STRUCTURES, and parking LOTs provided that the proposed construction complies with the following standards:

(a) Practicable Alternative: There is no practicable alternative that would have a less adverse impact on the area.

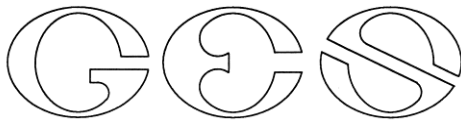
The proposed redevelopment of this one-acre coastal property is limited in the practicable iterations that would otherwise be less impactful, while still meeting the project objectives of the owner of the property and maintaining its current use as a primary residence with an accessory dwelling unit. Because of these limitations there are no other practicable less impacting alternatives to successfully meet the project objectives for this site. As discussed above the project removes the residential structures from the 50 ft previously disturbed tidal buffer in an effort to make the property more conforming. Additionally, the project will incorporate pervious surfaces to reduce the impervious surface are on the lot and assist with infiltration on the property.

(b) Avoidance: The potential impacts have been avoided to the maximum extent practicable. The APPLICANT will demonstrate by plan and example that the proposed construction represents the least impacting alternative.

The project as currently proposed is the least impactful iteration presented that avoids and minimizes impacts to the previously disturbed jurisdictional buffers associated with the tidal resource area. Several iterations of the project were reviewed each with various pros and cons. In an effort to ensure the proposed design was the least impacting alternative the applicant had several meetings with architectural professionals, engineers, and environmental consultants to guide the design to a form that would still meet the owners' objectives for the property while still having the least impacting proposal to these jurisdictional buffers. Additionally, a productive meeting was held with DES in an effort to determine that the project would qualify for and meet the state determination for avoidance and minimization.

(c) Minimization: Any unavoidable impacts have been minimized. No reasonable Alternative to the proposed construction exists which does not impact a wetland or which has less detrimental impact on a wetland. Design, construction and maintenance methods will be prepared by a registered engineer to minimize detrimental impacts to the wetlands and will include restoration of the site as nearly as possible to its original grade.

The proposed plans have been produced by a professional engineer to ensure that the methods of construction are to follow all current BMP's on site and ensure the proper use of erosion control measures. As previously stated, there are no direct impacts to wetlands on the property and all associated impacts are to previously disturbed jurisdictional buffers to the tidal resource area.



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Areas that are considered to have temporary impacts will be stabilized upon construction completion. The proposed development as stated above is the least impacting alternative, while still meeting the allowable project objectives of the property owner/applicant.

(d) Mitigation: If the APPLICANT is required by State rules to prepare a compensatory mitigation plan, the APPLICANT shall provide the Conservation Commission and PLANNING BOARD with one copy each of said plan for their review.

Per the meeting with Kristin Duclos of NH DES, we understand that the permanent impacts of less than 10,000 SF to the previously disturbed tidal buffer zone will not require state mitigation and because the impacts are strictly within the uplands on the subject property the project will not require mitigation at the federal level.

(e) Approval for the wetlands impact has been received from the NHDES Wetlands Bureau pursuant to Section G (3), below.

The applications for the Shoreland Permit and the Wetlands Dredge and Fill Permit have both been submitted and area under state review.

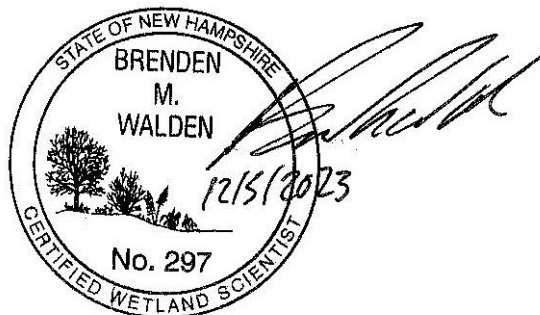
The proposed project as discussed will have impacts to the following jurisdictions and districts:
Note: some districts have overlapping jurisdictions.

NH DES	Temporary	Permanent	Total Disturbance
Wetland Dredge and Fill (0-100 ft)	2,887 SF	8,362 SF	11,249 SF
Shoreland (100-250 ft)		4,913 SF	4,913 SF
City of Dover			
Conservation District (0-100 ft)	2,887 SF	8,362 SF	11,249 SF
Wetland Protection District (0-50 ft)	1,908 SF	2,067 SF	3,975 SF

This concludes the supplemental package of materials related to the City of Dover conditional use approval criteria for proposed impacts to the Conservation District and Wetland Protection District. If you have any questions on any of the materials provided or feel I can be of further assistance please let me know, by phone (207)710-7863 or by email bwalden@gesinc.biz.

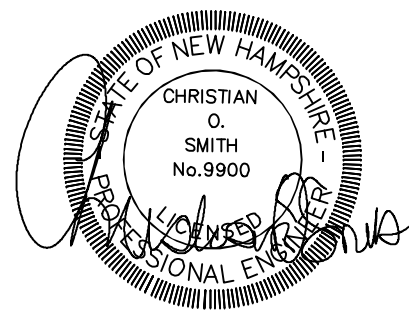
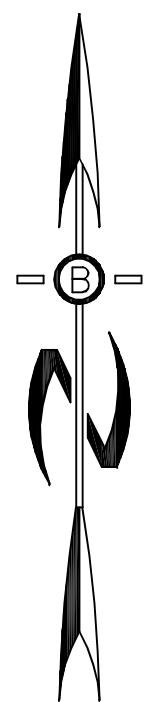
Sincerely,

Brenden Walden
President
Gove Environmental Services, Inc.





LOCATION MAP
NTS'

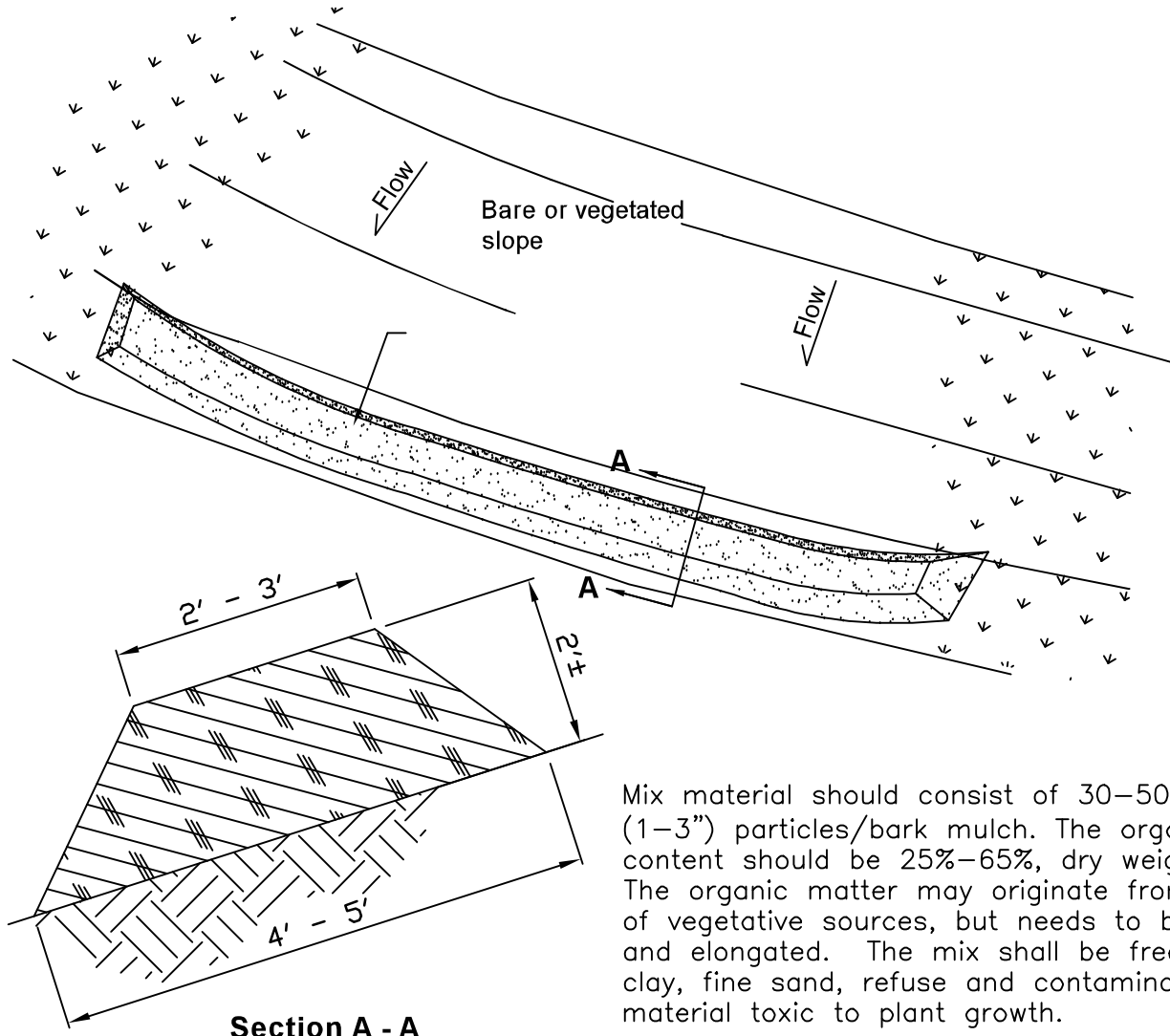


UNDERGROUND FACILITIES, UTILITIES,
1-888-DIG-SAFE (1-888-344-7233),
AND EXETER DPW (603) 773-6157

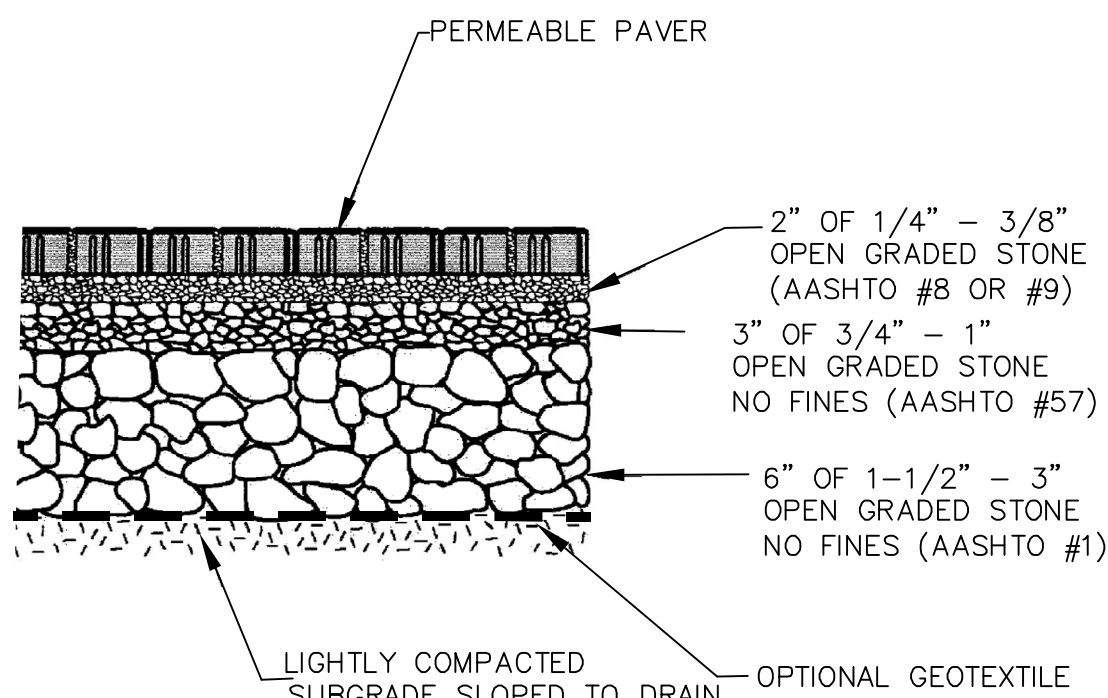


NOTES

1. ALL EXISTING STRUCTURES IN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS, UNLESS NOTED TO REMAIN ON THE SITE PLANS. ANY BURNING ON-SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. ALL EXISTING UTILITIES SHALL BE TERMINATED AT THE PROPERTY LINE, OR AS SHOWN ON THE DESIGN PLANS, IN CONFORMANCE WITH LOCAL, STATE AND UTILITY COMPANY STANDARDS, SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES PRIOR TO THE START OF WORK.
3. EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
4. THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE SILT FENCING IS NOT REQUIRED WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES.
5. EXISTING SEWER SERVICE AND APPURTENANCES TO BE REMOVED AND DISPOSED OF PER TOWN AND STATE REQUIREMENTS. NEW SERVICES FOR EACH UNIT TO BE INSTALLED & CONNECTED PER TOWN SPECIFICATIONS. SEQUENCING AND SCHEDULING.
6. DEMOLITION REQUIREMENTS: CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH THE ADJACENT AND OCCUPIED BUILDING AREAS, IN COMPLIANCE WITH THE GOVERNING LAWS. PRIME CONSIDERATION SHALL BE GIVEN TO THE SAFETY, PROTECTION AND CONVENIENCE OF THE PUBLIC AND OWNER'S PERSONNEL.
2.1. EMPLOY TARPULINS ON TRUCKS CARRYING DEBRIS TO PREVENT SPREADING DUST OR DEBRIS. CLEAN UP LOOSE DEBRIS DAILY TO PREVENT THE WIND SPREADING DEBRIS.
7. LEAVE SITE IN CLEAN CONDITION.
8. THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
9. WETLAND AREA SHOWN WAS FIELD DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. OF EXETER, NH.



Erosion Control Mix Berm



PERMEABLE PAVER DETAIL
TO BE "TREMOR" OR APPROVED EQUAL

NOT TO SCALE



REVISIONS:	DATE:

PREPARED FOR:

DR LEMIEUX
76 EXETER ROAD.
NEWMARKET, NEW HAMPSHIRE



70 PORTSMOUTH AVE,
THIRD FLOOR, SUITE 2
STRATHAM, N.H. 03885
PHONE: 603-583-4860,
FAX: 603-583-4863

DEVELOPEMENT PLAN

RESIDENTIAL DEVELOPMENT
14 LEIGHTON ROAD
DOVER, NH
TAX MAP 8, LOT 19

DATE:	NOV, 2023	SCALE:	1"=20'
PROJ. NO:	NH-1323	SHEET NO.	1



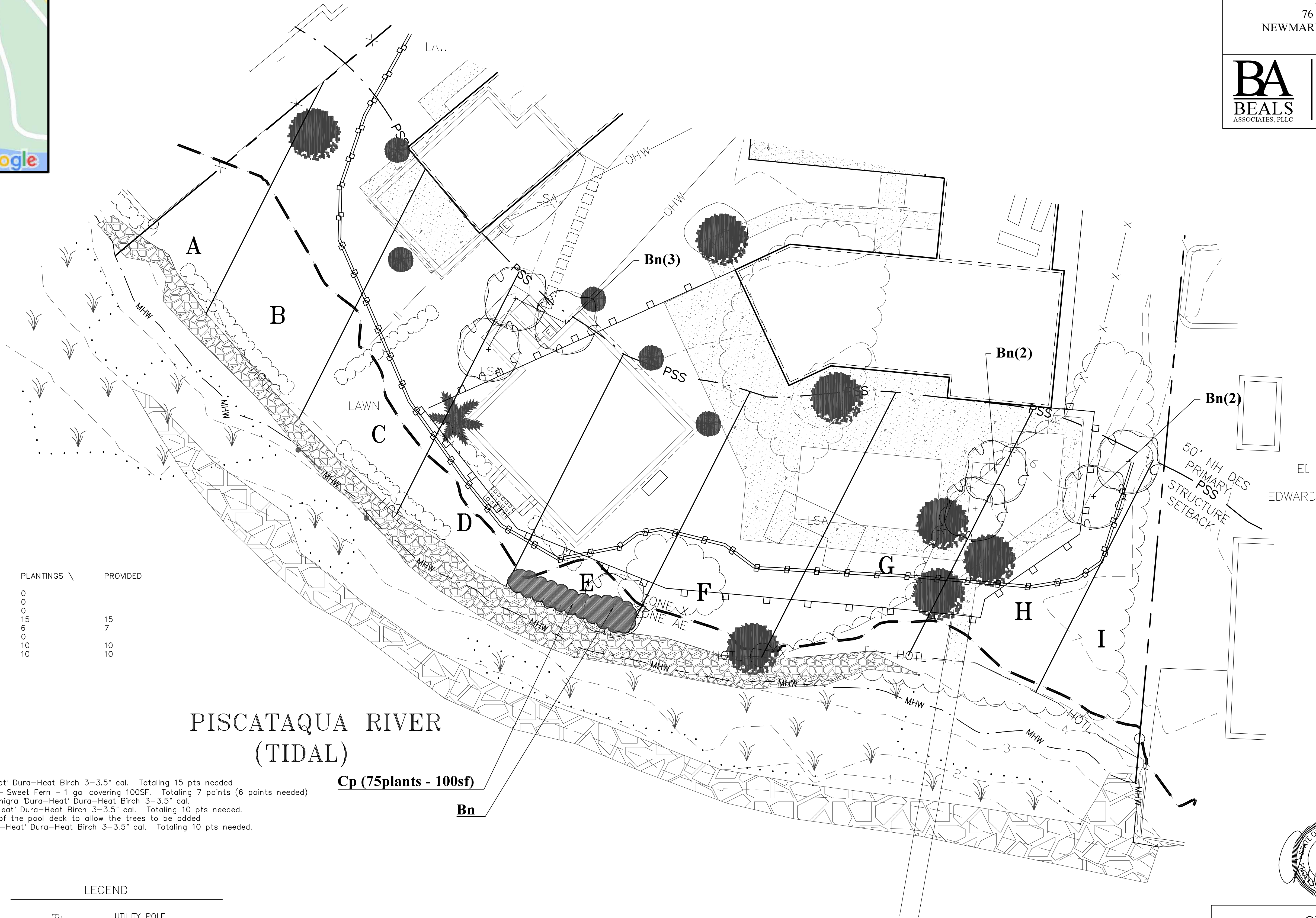
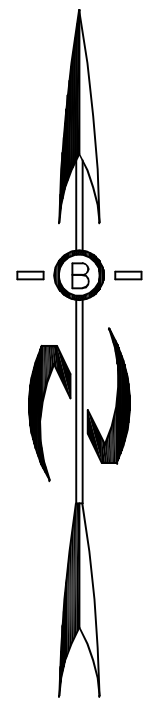
LOCATION MAP
NTS'

PREPARED FOR:

DR LEMIEUX
76 EXETER ROAD.
NEWMARKET, NEW HAMPSHIRE

BA
BEALS
ASSOCIATES, PLLC

70 PORTSMOUTH AVE,
THIRD FLOOR, SUITE 2
STRATHAM, N.H. 03885
PHONE: 603-583-4860,
FAX: 603-583-4863



GRID POINTS NEEDED	CURRENT POINTS	REMAINING	PLANTINGS \	PROVIDED
A	0	0	0	
B	15	15	0	
C	0	0	0	
D	16	1	15	15
E	6	0	6	7
F	45	25	0	
G	30	15	10	10
H	10	0	10	10

PLANTING POINTS ARE AS FOLLOWS:
SAPLINGS AND TREES
1-3" DBH = 1PT
>3-6" DBH = 5PT
>6-12" DBH = 10PT
>12" DBH = 15PT

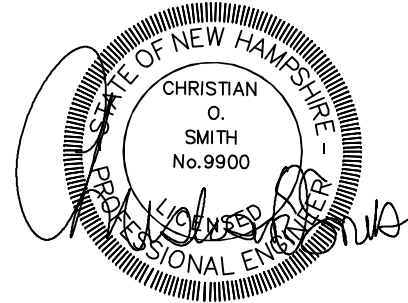
PROVIDED PLANTING DETAILS:
Section D - 3 Bn - Betula nigra 'Dura-Heat' Dura-Heat Birch 3-3.5" cal. Totaling 15 pts needed
Section E - 75 Cp - Comptonia perigrina - Sweet Fern - 1 gal covering 100SF. Totaling 7 points (6 points needed)
1 Bn - Betula nigra 'Dura-Heat' Dura-Heat Birch 3-3.5" cal.
Section G - 2 Bn - Betula nigra 'Dura-Heat' Dura-Heat Birch 3-3.5" cal. Totaling 10 pts needed.
Removed part of the pool deck to allow the trees to be added
Section H G - 2 Bn - Betula nigra 'Dura-Heat' Dura-Heat Birch 3-3.5" cal. Totaling 10 pts needed.

LEGEND

	UTILITY POLE
	STONE WALL
	TREE LINE
	EXISTING CONTOUR - 10'
	EXISTING CONTOUR - 2'
	BUILDING SETBACK LINE
	ABUTTING PROPERTY LINE
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE



UNDERGROUND FACILITIES, UTILITIES,
1-888-DIG-SAFE (1-888-344-7233),
AND EXETER DPW (603) 773-6157

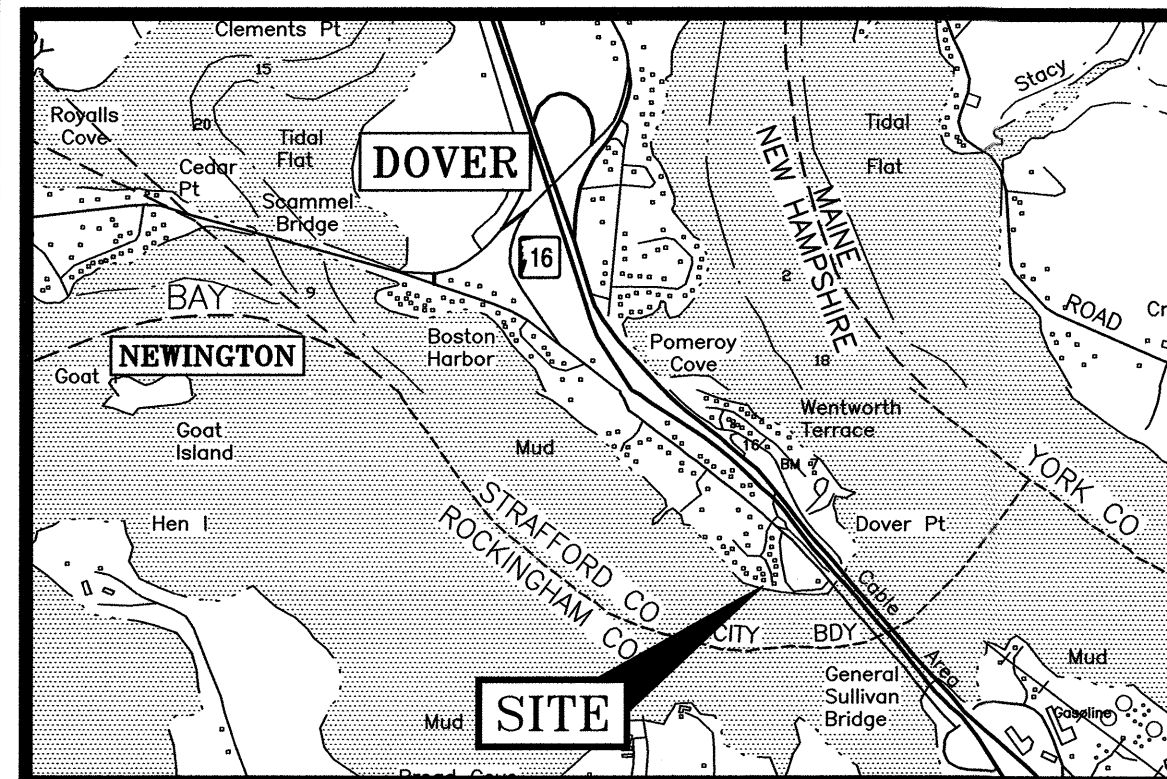


GRID PLAN

RESIDENTIAL DEVELOPMENT
14 LEIGHTON ROAD
DOVER, NH
TAX MAP 8, LOT 19

DATE:	NOV, 2023	SCALE:	1"=10'
PROJ. NO:	NH-1323	SHEET NO.	2

REVISIONS:	DATE:



LOCATION MAP

SCALE 1"=2,000'

LEGEND:

N/F	NOW OR FORMERLY
RP	RECORD OF PROBATE
SCRD	STRAFFORD COUNTY REGISTRY OF DEEDS
11/21	MAP 11 / LOT 21
RAILROAD SPIKE FOUND	
IRON ROD/IRON PIPE FOUND	
IRON PIPE FOUND	
STONE/CONCRETE BOUND FOUND	
RAILROAD SPIKE SET	
IRON ROD SET	
DRILL HOLE SET	
GRANITE BOUND SET	
BOUNDARY	
BUILDING SETBACK	
MEAN HIGH WATER LINE	
NH DES HIGHEST OBSERVABLE TIDE LINE	
NH DES 50' PRIMARY STRUCTURE SETBACK LINE	
PSS	
TBZ	NH DES 100' TIDAL BUFFER ZONE LINE
NWB	NH DES 150' NATURAL WOODLAND BUFFER ZONE LINE
SWQPA	NH DES 250' PROTECTED SHORELAND LINE
OVERHEAD ELECTRIC/WIRES	
CONTOUR	
SPOT ELEVATION	
EDGE OF PAVEMENT (EP)	
WOODS / TREE LINE	
UTILITY POLE (w/ GUY)	
GAS SHUT OFF	
WATER SHUT OFF/CURB STOP	
GATE VALVE	
HYDRANT	
METER (GAS, WATER, ELECTRIC)	
EDGE OF WETLAND FLAGGING	
SWAMP / MARSH	
ELEVATION	
EDGE OF PAVEMENT	
FINISHED FLOOR	
INVERT	
TEMPORARY BENCHMARK	
TYPICAL	
LANDSCAPED AREA	

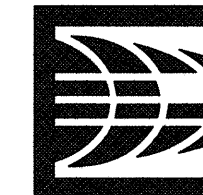
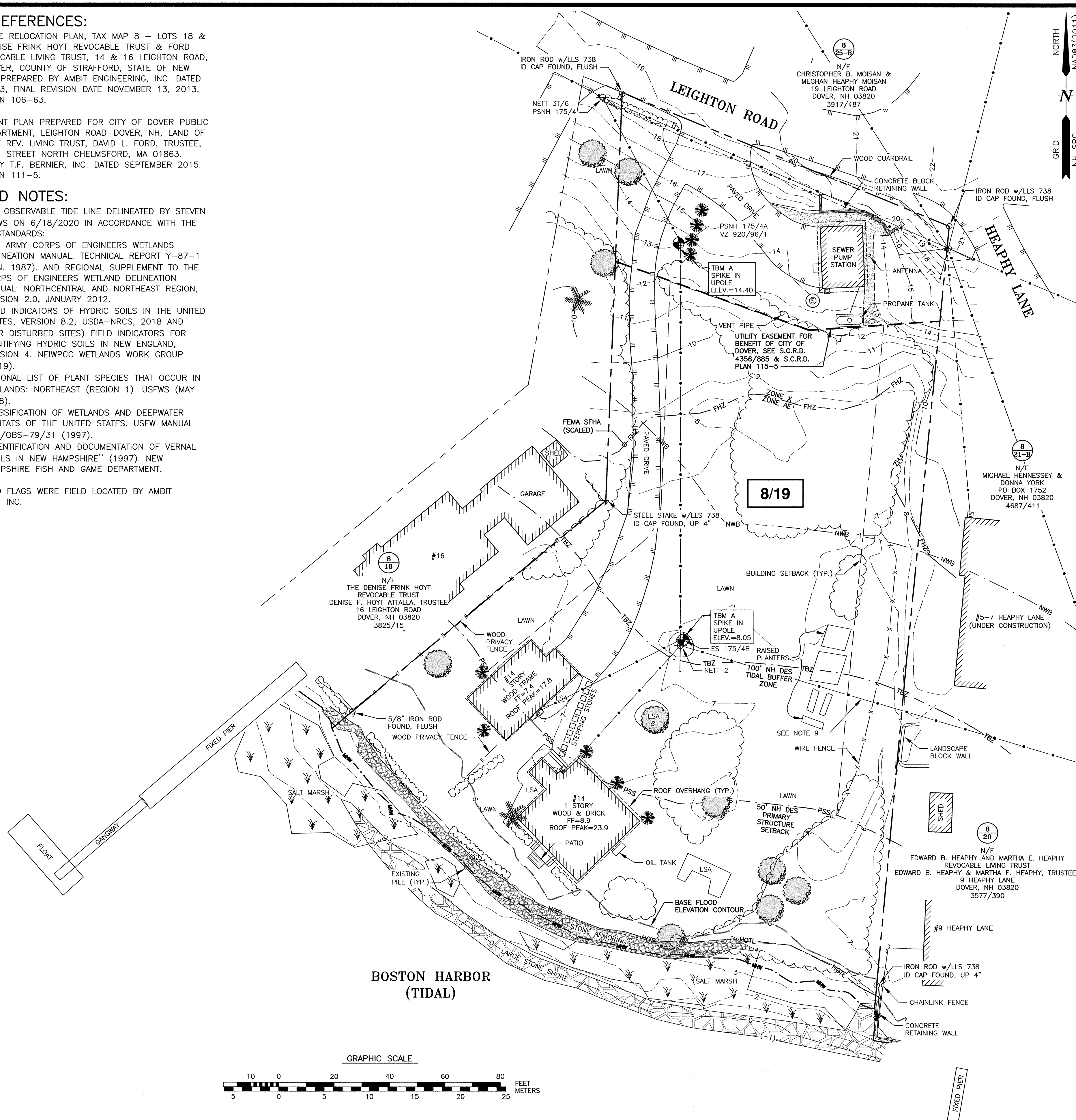
PLAN REFERENCES:

- 1) LOT LINE RELOCATION PLAN, TAX MAP 8 - LOTS 18 & 19 FOR DENISE FRANK HOYT REVOCABLE TRUST & FORD FAMILY REVOCABLE LIVING TRUST, 14 & 16 LEIGHTON ROAD, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE. PREPARED BY AMBIT ENGINEERING, INC. DATED AUGUST 2013, FINAL REVISION DATE NOVEMBER 13, 2013. S.C.R.D. PLAN 106-63.
- 2) EASEMENT PLAN PREPARED FOR CITY OF DOVER PUBLIC WORKS DEPARTMENT, LEIGHTON ROAD-DOVER, NH, LAND OF FORD FAMILY REV. LIVING TRUST, DAVID L. FORD, TRUSTEE, 51 SHERMAN STREET NORTH CHELMSFORD, MA 01863. PREPARED BY T.F. BERNIER, INC. DATED SEPTEMBER 2015. S.C.R.D. PALN 111-5.

WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 6/18/2020 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987). AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEWPCC WETLANDS WORK GROUP (2019).
 - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
 - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
 - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.

- 2) WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors

200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

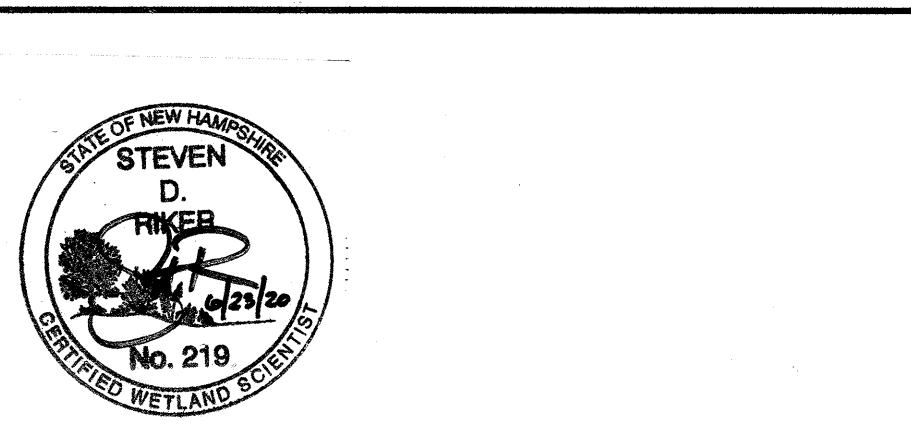
NOTES:

- 1) PARCEL IS SHOWN ON THE CITY OF DOVER ASSESSOR'S MAP 8 AS LOT 19.
- 2) OWNER OF RECORD:
FORD LIVING TRUST
DAVID L. FORD, TRUSTEE
15 SHERMAN STREET
NORTH CHELMSFORD, MA 01863
4528/140
- 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA (ZONE AE, EL.6) AS SHOWN ON FIRM PANEL 33017C0405E. EFFECTIVE DATE SEPTEMBER 30, 2015.
- 4) EXISTING LOT AREA:
44,373± S.F. (PER PLAN REF. 1)
1.0187± ACRES (PER PLAN REF. 1)
- 5) PARCEL IS LOCATED IN THE LOW DENSITY RESIDENTIAL (R-20) ZONING DISTRICT.
- 6) DIMENSIONAL REQUIREMENTS:

LOT AREA:	20,000 S.F.
FRONTAGE:	125 FEET
SETBACKS:	FRONT 20 FEET MIN.
	35 FEET MAX.
	SIDE 20 FEET
	REAR 30 FEET
MAXIMUM STRUCTURE HEIGHT:	35 FEET
MAXIMUM LOT COVERAGE:	30%
- 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON ASSESSOR'S MAP 8 LOT 19 IN THE CITY OF DOVER.
- 8) VERTICAL DATUM IS NAVD88. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS (±0.2'). MEAN HIGH WATER (MHW) ELEVATION SHOWN HEREON IS BASED ON NOAA STATION 8420411-DOVER, COCHECO RIVER, WITH MHW BEING AT ELEVATION 3.37.
- 9) EASEMENT OR OTHER RIGHTS FOR WIRES NOT FOUND IN SUBJECT PARCEL OR ABUTTING PARCEL DEEDS.
- 10) THE PARCEL IS ALMOST ENTIRELY WITHIN THE SHORELAND PROTECTION ZONE.

PROPERTY REDEVELOPMENT
DR LEMIEUX BUILDERS, LLC
14 LEIGHTON ROAD
DOVER, N.H.

NO.	DESCRIPTION	DATE
1	CORRECT BASE FLOOD ELEVATION	6/24/20
0	ISSUED FOR COMMENT	6/23/20

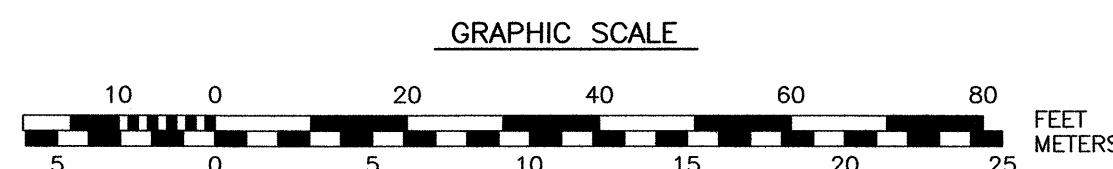
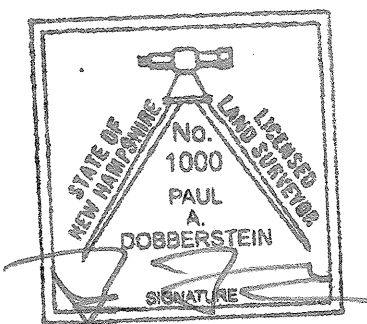


SCALE 1"=20' JUNE 2020

EXISTING CONDITIONS PLAN C1

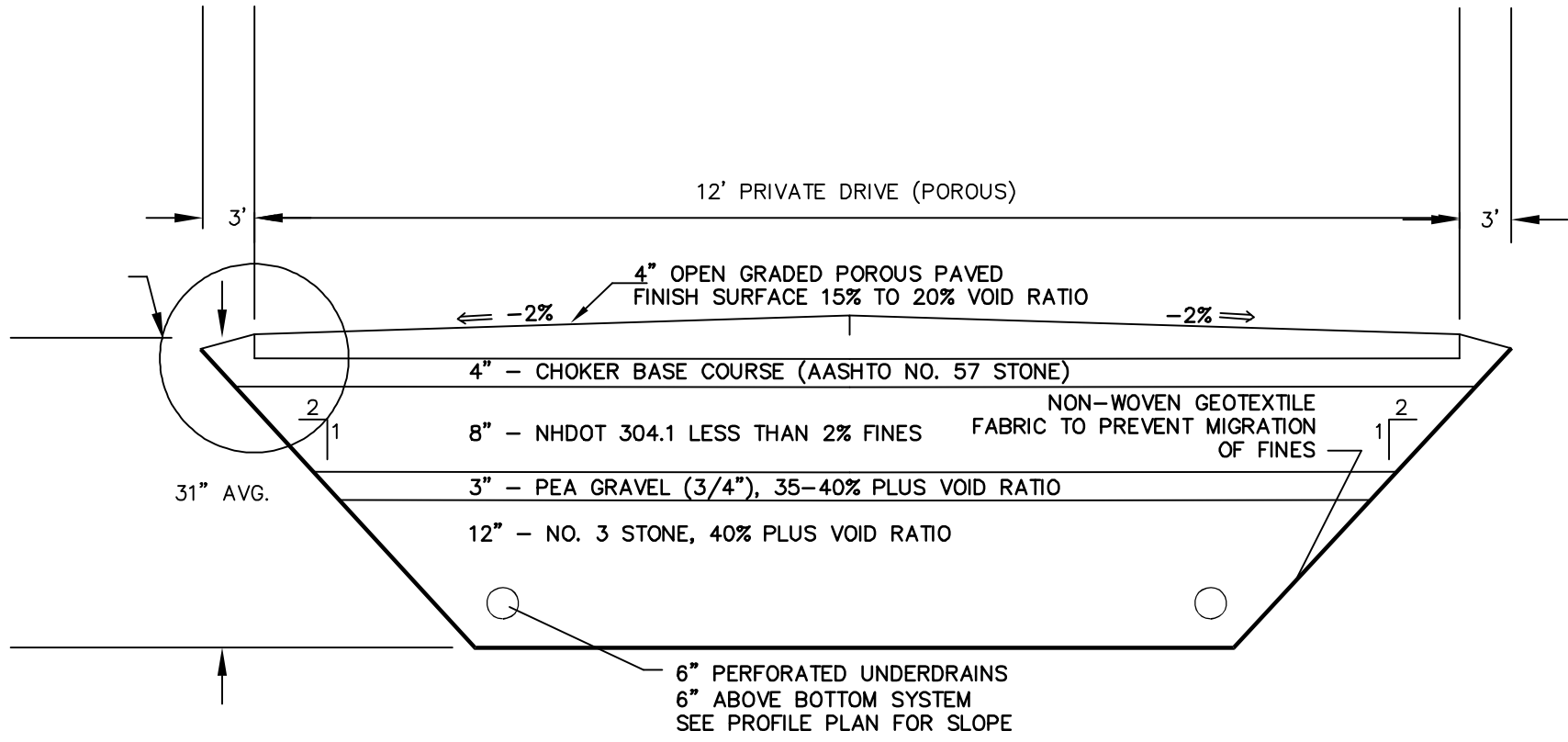
"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

PAUL A DOBBERSTEIN, LLS
DATE 6/24/2020



CONSTRUCTION SPECIFICATIONS FOR POROUS ASPHALT
THE UNH STORM WATER CENTER
INSTALLATION RECOMMENDATIONS

- INSTALLATION
- A. PERCOLATION BEDS (REFERS TO NO 57 STONE)
1. OWNER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO ALL PERCOLATION BED AND POROUS PAVING WORK.
2. SUB GRADE PREPARATION
- A. EXISTING SUB GRADE UNDER BED AREAS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO STONE BED PLACEMENT.
- B. WHERE EROSION OF SUB GRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE PONDING, THIS MATERIAL SHALL BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE OR EQUIVALENT AND LIGHT TRACTOR.
- C. BRING SUB GRADE OF STONE PERCOLATION BED TO LINE, GRADE, AND ELEVATIONS INDICATED. FILL AND LIGHTLY REGRADE ANY AREAS DAMAGED BY EROSION, PONDING, OR TRAFFIC COMPACTIO
3. RECHARGE BED INSTALLATION (REFERS TO NO 3 STONE)
- A. UPON COMPLETION OF SUB GRADE WORK, THE ENGINEER SHALL BE NOTIFIED AND SHALL INSPECT AT HIS DISCRETION BEFORE PROCEEDING WITH PERCOLATION BED INSTALLATION.
- B. PERCOLATION BED AGGREGATE SHALL BE PLACED IMMEDIATELY AFTER APPROVAL OF SUB GRADE PREPARATION. ANY ACCUMULATION OF DEBRIS OR SEDIMENT WHICH HAS TAKEN PLACE AFTER APPROVAL OF SUB GRADE SHALL BE REMOVED PRIOR TO INSTALLATION OF AGGREGATE AT NO EXTRA COST TO THE OWNER.
- C. INSTALL COARSE AGGREGATE NO. 3 (1 1/2" STONE) IN 8-INCH MAXIMUM LIFTS. LIGHTLY COMPACT EACH LAYER WITH EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.
- D. INSTALL 3" LIFT PEA GRAVEL LAYER TO PREVENT MIGRATION OF FINES FROM THE FILTER COARSE (NHDOT 304.1)
- E. INSTALL FILTER COARSE (NHDOT 304.1 SAND LESS THAN 2% FINES) IN 2, 4" LIFTS. LIGHTLY COMPACT EACH LAYER WITH EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.
- F. INSTALL CHOKER BASE COURSE (AASHTO # 57 STONE) AGGREGATE EVENLY OVER SURFACE OF STONE BED, SUFFICIENT TO ALLOW PLACEMENT OF PAVEMENT, AND NOTIFY ENGINEER FOR APPROVAL. CHOKER BASE COURSE SHALL BE SUFFICIENT TO ALLOW FOR EVEN PLACEMENT OF ASPHALT BUT NO THICKER THAN 4-INCH IN DEPTH.
4. SURROUNDING AREAS
- A. BEFORE THE POROUS PAVEMENT IS INSTALLED, ADJACENT SOIL AREAS SHOULD BE SLOPED AWAY FROM ALL PAVEMENT EDGES, TO PREVENT POTENTIAL SEDIMENT FROM WASHING ONTO THE PAVEMENT SURFACE.
- B. TO ACCOMPLISH THIS, A SEQUENCE OF SWALES SHOULD BE EXCAVATED INTO ALL EARTHEN (UNPAVED) AREAS AT LEAST ON THE UPHILL SIDES OF THE PAVEMENT, AND WHERE NECESSARY, TO BELOW THE CURB OR PAVEMENT ELEVATION. ITS SHAPE AND PAINTINGS CAN BE INTEGRATED WITH THE PROJECT'S ARCHITECTURE AND LANDSCAPE, AND DESIGNED TO MAXIMIZE INFILTRATION. SWALE OVERFLOW, WHEN IT OCCURS, CAN BE DISCHARGED FROM ONE SWALE TO ANOTHER BY CONNECTING PIPES UNDER DRIVEWAYS.
- C. BUILDING BASEMENTS AND FOUNDATIONS SHOULD BE WATERPROOFED AS NECESSARY, WHERE THE POROUS PAVEMENT ABUTS BUILDINGS.
- B. POROUS ASPHALT
1. TRANSPORTING MATERIAL
- A. TRANSPORTING OF MIX TO THE SITE SHALL BE IN VEHICLES WITH SMOOTH, CLEAN DUMP BEDS THAT HAVE BEEN SPRAYED WITH A NON-PETROLEUM RELEASE AGENT.
- B. THE MIX SHALL BE COVERED DURING TRANSPORT TO CONTROL COOLING.
2. POROUS BITUMINOUS ASPHALT SHALL NOT BE STORED IN EXCESS OF 90 MINUTES BEFORE PLACEMENT.
3. ASPHALT PLACEMENT
- A. THE POROUS BITUMINOUS SURFACE COURSE SHALL BE LAID IN ONE LIFT DIRECTLY OVER THE CHOKER COARSE, FILTER COARSE, AND CRUSHED STONE BASE COURSE TO A 4-INCH FINISHED THICKNESS. THE SURFACE CAN BE LAID IN TWO LIFTS IF SECOND LIFT IS DONE WITHIN 10 BUSINESS DAYS AND THE INITIAL COURSE IS CLEAN AND FREE OF SEDIMENT.
- B. THE LAYING TEMPERATURE OF THE BITUMINOUS MIX SHALL BE BETWEEN 300 DEGREES FAHRENHEIT AND 350 DEGREES FAHRENHEIT (BASED ON THE RECOMMENDATIONS OF THE ASPHALT SUPPLIER).
- C. INSTALLATION SHALL TAKE PLACE WHEN AMBIENT TEMPERATURES ARE 55 DEGREES FAHRENHEIT OR ABOVE, WHEN MEASURED IN THE SHADE AWAY FROM ARTIFICIAL HEAT.
- D. THE USE OF A REMIXING MATERIAL TRANSFER DEVICE BETWEEN THE TRUCKS AND THE PAVER IS HIGHLY RECOMMENDED TO ELIMINATE COLD LUMPS IN THE MIX.
- E. THE POLYMER-MODIFIED ASPHALT IS VERY DIFFICULT TO RAKE, A WELL-HEATED SCREED SHOULD BE USED TO MINIMIZE THE NEED FOR RAKING.
- F. COMPACTION OF THE SURFACE COURSE SHALL TAKE PLACE WHEN THE SURFACE IS COOL ENOUGH TO RESIST A 10-TON ROLLER, (140°F, SURFACE TEMPERATURE) ONE OR TWO PASSES IS ALL THAT IS REQUIRED FOR PROPER COMPACTION. MORE ROLLING COULD CAUSE A REDUCTION IN THE SURFACE POROSITY WHICH IS UNACCEPTABLE.
4. IN THE EVENT CONSTRUCTION SEDIMENT IS INADVERTENTLY DEPOSITED ON THE FINISHED POROUS SURFACE, IT MUST BE IMMEDIATELY REMOVED BY VACUUMING.
5. AFTER FINAL ROLLING, NO VEHICULAR TRAFFIC OF ANY KIND SHALL BE PERMITTED ON THE SURFACE UNTIL COOLING AND HARDENING HAS TAKEN PLACE, AND IN NO CASE WITHIN THE FIRST 48 HOURS. PROVIDE BARRIERS AS NECESSARY AT NO EXTRA COST TO THE OWNER TO PREVENT VEHICULAR USE; REMOVE AT THE DISCRETION OF THE ENGINEER.
6. STRIPING PAINT FOR TRAFFIC LANES AND PARKING BAYS SHALL BE CHLORINATED RUBBER BASE, FACTORY MIXED, NON-BLEEDING, FAST DRYING, BEST QUALITY, WHITE TRAFFIC PAINT WITH A LIFE EXPECTANCY OF TWO YEARS UNDER NORMAL TRAFFIC USE.
- A. PAVEMENT-MARKING PAINT: LATEX, WATER-BASE EMULSION, READY-MIXED, COMPLYING WITH PS TT-P-1952.
- B. SWEEP AND CLEAN SURFACE TO ELIMINATE LOOSE MATERIAL AND DUST.
- C. PAINT 4 INCH WIDE TRAFFIC LANE STRIPING IN ACCORDANCE WITH LAYOUTS OF PLAN. APPLY PAINT WITH MECHANICAL EQUIPMENT TO PRODUCE UNIFORM STRAIGHT EDGES. APPLY IN TWO COATS AT MANUFACTURER'S RECOMMENDED RATES. PROVIDE CLEAR, SHARP LINES USING WHITE TRAFFIC PAINT, INSTALLED IN ACCORDANCE WITH NHDOT SPECIFICATIONS.
6. WORK SHALL BE DONE EXPERTLY THROUGHOUT, WITHOUT STAINING OR INJURY TO OTHER WORK. TRANSITION TO ADJACENT IMPERVIOUS BITUMINOUS PAVING SHALL BE MERGED NEATLY WITH FLUSH, CLEAN LINE. FINISHED PAVING SHALL BE EVEN, WITHOUT POCKETS, AND GRADED TO ELEVATIONS SHOWN ON DRAWING.
7. POROUS PAVEMENT BEDS SHALL NOT BE USED FOR EQUIPMENT OR MATERIALS STORAGE DURING CONSTRUCTION, AND UNDER NO CIRCUMSTANCES SHALL VEHICLES BE ALLOWED TO DEPOSIT SOIL ON PAVED POROUS SURFACES.
8. REPAIR OF DAMAGED PAVING
- A. ANY EXISTING PAVING ON OR ADJACENT TO THE SITE THAT HAS BEEN DAMAGED AS A RESULT OF CONSTRUCTION WORK SHALL HE REPAIRED TO THE SATISFACTION OF THE OWNER WITHOUT ADDITIONAL COST TO THE OWNER.
9. FIELD QUALITY CONTROL
- A. THE FULL PERMEABILITY OF THE PAVEMENT SURFACE SHALL BE TESTED BY APPLICATION OF CLEAN WATER AT THE RATE OF AT LEAST 5 GPM OVER THE SURFACE, USING A HOSE OR OTHER DISTRIBUTION DEVICE. WATER USED FOR THE TEST SHALL BE CLEAN, FREE OF SUSPENDED SOLIDS AND DELETERIOUS LIQUIDS AND WILL BE PROVIDED AT NO EXTRA COST TO THE OWNER. ALL APPLIED WATER SHALL INFILTRATE DIRECTLY WITHOUT PUDDLE FORMATION OR SURFACE RUNOFF, AND SHALL BE OBSERVED BY THE ENGINEER AND OWNER.
- B. TEST IN-PLACE BASE AND SURFACE COURSE FOR COMPLIANCE WITH REQUIREMENTS FOR THICKNESS AND SURFACE SMOOTHNESS. REPAIR OR REMOVE AND REPLACE UNACCEPTABLE WORK AS DIRECTED BY THE OWNER.
- C. SURFACE SMOOTHNESS: TEST FINISHED SURFACE FOR SMOOTHNESS AND EVEN DRAINAGE, USING A TEN-FOOT TO CENTERLINE OF PAVED AREA. SURFACE WILL NOT BE ACCEPTED IF GAPS OR RIDGES EXCEED 3/16 OF AN INCH.



POROUS PAVEMENT DRIVE SECTION

NOT TO SCALE

MIX SUMMARY
POROUS ASPHALT PAVEMENT MIX
THE UNH STORM WATER CENTER
WEDNESDAY, NOVEMBER 01, 2006

POROUS ASPHALT SHALL BE FOUR INCHES THICK WITH A BITUMINOUS MIX OF 6% TO 6.5% BY WEIGHT DRY AGGREGATE AND AIR VOIDS OF 18-22% IN ACCORDANCE WITH ASTM D6390. DRAIN DOWN OF THE BINDER SHALL BE NO GREATER THAN 0.3% IF MORE ABSORPTIVE AGGREGATES, SUCH AS LIMESTONE, ARE USED IN THE MIX, THEN THE AMOUNT OF BITUMEN IS TO BE BASED ON THE TESTING PROCEDURES OUTLINED IN THE NATIONAL ASPHALT PAVEMENT ASSOCIATION'S INFORMATION SERIES 131 - "PERVIOUS ASPHALT PAVEMENTS" (2003) OR NHDOT EQUIVALENT. MIX SUPPLIERS MAY HAVE A SUITABLE IN-HOUSE SPECIFICATION FOR OPEN GRADED FRICTION COURSE (OGFC) THAT CAN BE USED.

USE NEAT ASPHALT BINDER MIXED WITH AN ELASTOMERIC POLYMER TO PRODUCE A BINDER MEETING THE REQUIREMENTS OF PG 76-22 AS SPECIFIED IN AASHTO MP- 1. THE ELASTOMER POLYMER SHALL BE STYRENE-BUTADIENE-STYRENE (SBS), OR APPROVED EQUAL, APPLIED AT A RATE OF 3% BY WEIGHT OF THE TOTAL BINDER. THE COMPOSITE MATERIALS SHALL BE THOROUGHLY BLENDED AT THE ASPHALT REFINERY OR TERMINAL PRIOR TO BEING LOADED INTO THE TRANSPORT VEHICLE. THE POLYMER MODIFIED ASPHALT BINDER SHALL BE HEAT AND STORAGE STABLE.

AGGREGATE SHALL BE MINIMUM 90% CRUSHED MATERIAL AND HAVE A GRADATION OF:

COMPOSITION OF MIXTURE
SIEVE SIZE (INCH/MM) PERCENT PASSING: 75/191000.50/12.585-1000.375/9.555-75NO.4/4.7510-25NO.8/2.365-10NO.200/0.0752-4TOTAL
AGGREGATE 93--5-94% ASPHALT OF TOTAL MIX 6-5
ADD HYDRATED LIME AT A DOSAGE RATE OF 1.0% BY WEIGHT OF THE TOTAL DRY AGGREGATE TO MIXES CONTAINING GRANITE. HYDRATED LIME SHALL MEET THE REQUIREMENTS OF ASTM C 977. THE ADDITIVE MUST BE ABLE TO PREVENT THE SEPARATION OF THE ASPHALT BINDER FROM THE AGGREGATE AND ACHIEVE A REQUIRED TENSILE STRENGTH RATIO (TSR) OF AT LEAST 80% ON THE ASPHALT MIX WHEN TESTED IN ACCORDANCE WITH AASHTO T 283. THE ASPHALTIC MIX SHALL BE TESTED FOR ITS RESISTANCE TO STRIPPING BY WATER IN ACCORDANCE WITH ASTM D-1664. IF THE ESTIMATED COATING AREA IS NOT ABOVE 95 PERCENT, ANTI-STRIPPING AGENTS SHALL BE ADDED TO THE ASPHALT.

NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR HAS SUBMITTED AND THE ENGINEER HAS APPROVED A MIX DESIGN INCLUDING THE PERCENTAGE OF EACH INGREDIENT INCLUDING BINDER, POLYMER, AND THE JOB-MIX FORMULA FROM SUCH A COMBINATION. THE JOB-MIX FORMULA SHALL ESTABLISH A SINGLE PERCENTAGE OF AGGREGATE PASSING SIEVE AND A SINGLE PERCENTAGE OF BITUMINOUS MATERIAL. TO BE ADDED TO THE AGGREGATE. NO CHANGE IN THE JOB-MIX FORMULA MAY BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER. THE JOB-MIX FORMULA MUST FALL WITHIN THE MASTER RANGE SPECIFIED IN COMPOSITION OF MIXTURE TABLE.

TRANSPORTING MATERIAL: SEE CONSTRUCTION AND INSTALL SPECIFICATIONS

FOR QUESTIONS ON MIX SPECIFICATIONS CONTACT ROBERT ROSEEN, PHD, AT THE UNH STORM WATER CENTER. 603-862-4024.

MAINTENANCE SPECIFICATIONS FOR POROUS ASPHALT PARKING LOT AREAS AND LOW VOLUME ROADS
THE UNH STORM WATER CENTER
WEDNESDAY, NOVEMBER 01, 2006

THE FOLLOWING RECOMMENDATIONS WILL HELP ASSURE THAT THE PAVEMENT IS MAINTAINED TO PRESERVE ITS HYDROLOGIC EFFECTIVENESS.

WINTER MAINTENANCE:

1. SANDING FOR WINTER TRACTION IS PROHIBITED. DEICING IS PERMITTED (NAC1, MGC12, OR EQUIVALENT). REDUCED SALT APPLICATION IS POSSIBLE AND CAN BE A COST SAVINGS FOR WINTER MAINTENANCE. NONTOXIC, ORGANIC DEICERS, APPLIED EITHER AS BLENDED, MAGNESIUM CHLORIDE-BASED LIQUID PRODUCTS OR AS PRETREATED SALT, ARE PREFERABLE.
2. PLOWING IS ALLOWED. BLADE SHOULD BE SET APPROXIMATELY 1" ABOVE ROAD SURFACE. ICE AND LIGHT SNOW ACCUMULATION ARE GENERALLY NOT AS PROBLEMATIC AS FOR STANDARD ASPHALT. SNOW WILL ACCUMULATE DURING HEAVIER STORMS AND SHOULD BE PLOWED.

ROUTINE MAINTENANCE:

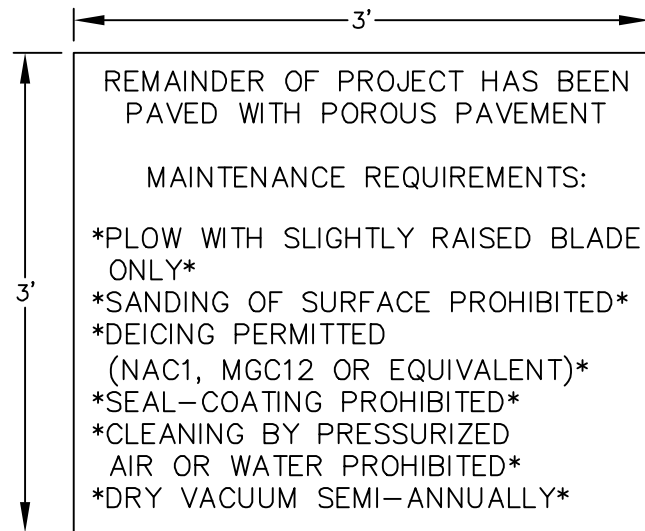
1. ASPHALT SEAL COATING MUST BE ABSOLUTELY FORBIDDEN. SURFACE SEAL COATING IS NOT REVERSIBLE.
2. THE PAVEMENT SURFACE SHOULD BE VACUUMED 2 OR 3 TIMES PER YEAR, AND AT ANY ADDITIONAL TIMES SEDIMENT IS SPILLED, ERODED, OR TRACKED ONTO THE SURFACE.
3. PLANTED AREAS ADJACENT TO PERVIOUS PAVEMENT SHOULD BE WELL MAINTAINED TO PREVENT SOIL WASHOUT ONTO THE PAVEMENT; IF ANY BARE SPOTS OR ERODED AREAS ARE OBSERVED WITHIN THE PLANTED AREAS, THEY SHOULD BE REPLANTED AND/OR STABILIZED AT ONCE.
4. IMMEDIATELY CLEAN ANY SOIL DEPOSITED ON PAVEMENT. SUPERFICIAL DIRT DOES NOT NECESSARILY CLOG THE PAVEMENT VOIDS. HOWEVER, DIRT THAT IS GROUND IN REPEATEDLY BY TIRES CAN LEAD TO CLOGGING. THEREFORE, TRUCKS OR OTHER HEAVY VEHICLES SHOULD BE PREVENTED FROM TRACKING OR SPILLING DIRT ONTO THE PAVEMENT.
5. DO NOT ALLOW CONSTRUCTION STAGING, SOIL/MULCH STORAGE, ETC. ON UNPROTECTED PAVEMENT SURFACE.
6. REPAIRS: POTHOLES OF LESS THAN 50 SQUARE FEET CAN BE PATCHED BY ANY MEANS SUITABLE WITH STANDARD PAVEMENT OR A PERVIOUS MIX IS PREFERRED. FOR AREAS GREATER THAN 50 SQ. FT. IN NEED OF REPAIR, APPROVAL OF PATCH TYPE SHOULD BE SOUGHT FROM A QUALIFIED ENGINEER. ANY REQUIRED REPAIR OF DRAINAGE STRUCTURES SHOULD BE DONE PROMPTLY TO ENSURE CONTINUED PROPER FUNCTIONING OF THE SYSTEM.
7. WRITTEN AND VERBAL COMMUNICATION TO THE POROUS PAVEMENT'S FUTURE OWNER SHOULD MAKE CLEAR THE PAVEMENT'S SPECIAL PURPOSE AND SPECIAL MAINTENANCE REQUIREMENTS SUCH AS THOSE LISTED HERE.
8. A PERMANENT SIGN SHOULD BE ADDED AT THE ENTRANCE AND END OF THE POROUS ASPHALT AREA TO INFORM RESIDENTS AND MAINTENANCE STAFF OF THE SPECIAL NATURE AND PURPOSE OF THE PAVEMENT, AND ITS SPECIAL MAINTENANCE REQUIREMENTS.

SIGNAGE SHOULD READ AS FOLLOWS:

REMAINDER OF PROJECT HAS BEEN PAVED WITH POROUS PAVEMENT

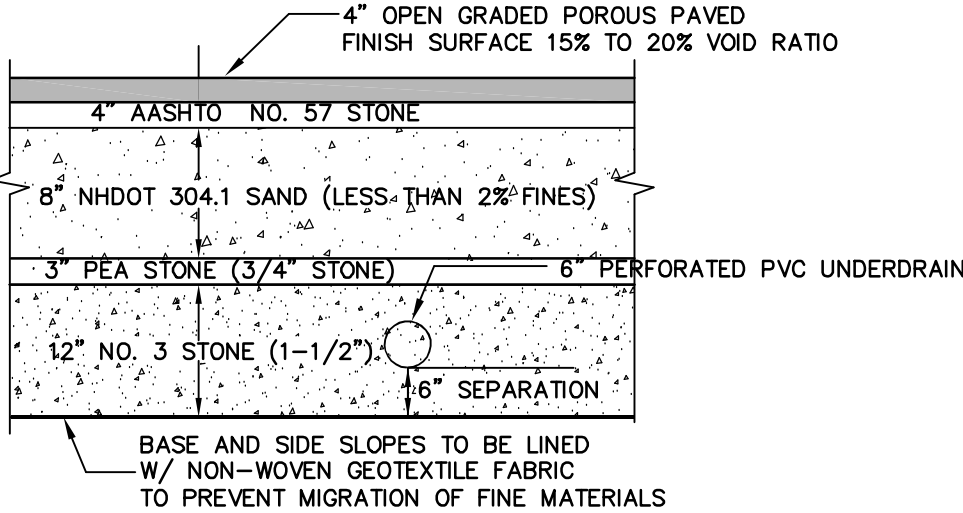
MAINTENANCE REQUIREMENTS:

1. PLOW WITH SLIGHTLY RAISED BLADE ONLY
2. SANDING OF SURFACE PROHIBITED
3. DEICING PERMITTED (NAC1, MGC12 OR EQUIVALENT)
4. SEAL-COATING PROHIBITED
5. CLEANING BY PRESSURIZED AIR OR WATER PROHIBITED
6. DRY VACUUM SEMI-ANNUALLY



SIGN DETAIL

NOT TO SCALE



NOTES:

1. 4" FRICTION COARSE CONSISTS OF COARSER AGGREGATE AND STIFFER BINDER. SEE TABLE
2. A WORKING COURSE 4" THICK CONSISTS OF AASHTO NO. 57 STONE.
3. 6" UNDERDRAIN TO BE SET ABOVE CRUSHED GRAVEL BOTTOM TO ALLOW FOR STORAGE AND INFILTRATION. 2.2" OF WATER CAN BE DETAINED UNDER THE UNDERDRAIN.
4. TOP COAT SHOULD BE VACUUMED A MINIMUM OF TWICE A YEAR.
5. ADJACENT AREAS TO POROUS PAVEMENT SHOULD BE GRADED AWAY FROM PAVEMENT TO PREVENT SEDIMENT FROM RUNNING ONTO POROUS AREA AND CLOGGING PORES. ROOF RUNOFF CAN FLOW ONTO PAVEMENT OR INTO SUBBASE MATERIAL.

POROUS PAVEMENT

NOT TO SCALE

PREPARED FOR:

DR LEMIEUX
76 EXETER ROAD.
NEWMARKET, NEW HAMPSHIRE

BA
BEALS
ASSOCIATES, PLLC

70 PORTSMOUTH AVE,
THIRD FLOOR, SUITE 2
STRATHAM, N.H. 03885
PHONE: 603-583-4860,
FAX. 603-583-4863

MINIMUM COMPACTION REQUIREMENTS

COMPACTION SHALL BE PERFORMED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) MAXIMUM DENSITY AS DETERMINED IN A LABORATORY COMPACTION TEST, PERFORMED UNDER THE SPECIFICATIONS OF ASTM D1557-64T, METHOD "A", (BACK FILL MATERIAL OF A STONY NATURE SHALL BE TESTED UNDER METHOD "C" OR "D" OF THE SAME ASTM DESIGNATION) OR OTHER APPROVED ASTM OR AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) SPECIFICATIONS. SUCH TEXT SHALL ALSO BE USED FOR ESTABLISHING THE OPTIMUM MOISTURE CONTENT OF THE MATERIALS. THE IN-PLACE DRY UNIT WEIGHT OF THE COMPACTED MATERIALS SHALL BE DETERMINED BY METHODS SPECIFIED UNDER ASTM "D" 1556-58T OR OTHER APPROVED ASTM OR AASHTO SPECIFICATIONS. THE IN-PLACE COMPACTION TEST TO BE CONSISTENT WITH THE APPROVED LABORATORY COMPACTION TEST.

TABLE 5. POROUS ASPHALT MIX DESIGN CRITERIA.

SIEVE SIZE (INCH/MM)	PERCENT PASSING (%)
0.75/19	100
0.50/12.5	85-100
0.375/9.5	55-75
NO.4/4.75	10-25
NO.8/2.36	5-10
NO.200/0.075 (#200)	2-4
BINDER CONTENT (AASHTO T164)	6.0-6.5%
AIR VOID CONTENT BY CORELOK (ASTM D6752)*	16.0-20.0%
AIR VOID CONTENT BY PARAFFIN WAX (AASHTO T275)*	18.0-22.0%
DRAINDOWN (ASTM D6390)**	<= 0.3 %
RETAINED TENSILE STRENGTH (AASHTO 283)***	>= 80 %

* EITHER METHOD IS ACCEPTABLE

**CELLULOSE OR MINERAL FIBERS MAY BE USED TO REDUCE DRAINDOWN.

***IF THE TSR (RETAINED TENSILE STRENGTH) VALUES FALL BELOW 80% WHEN TESTED PER NAPA IS 131

(WITH A SINGLE FREEZE THAW CYCLE RATHER THAN 5). STEP 4, THE CONTRACTOR SHALL EMPLOY AN ANTISTRIIP ADDITIVE, SUCH AS HYDRATED LIME (ASTM C977) OR A FATTY AMINE, TO RAISE THE TSR VALUE ABOVE 80%.

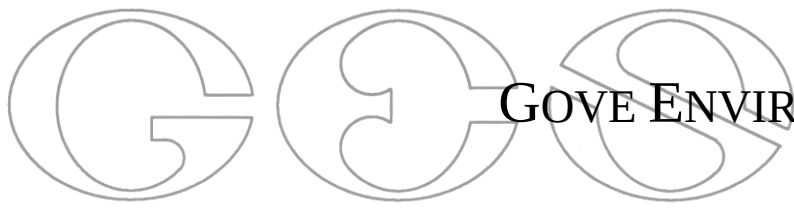
REVISIONS:

DATE:

POROUS PAVEMENT DETAILS

RESIDENTIAL DEVELOPMENT
14 LEIGHTON ROAD
DOVER, NH
TAX MAP 8, LOT 19

DATE:	NOV, 2023	SCALE: NTS
PROJ. NO:	NH-1323	SHEET NO. 3



GOVE ENVIRONMENTAL SERVICES, INC.
AGENT

NHDES WETLANDS BUREAU
MAJOR IMPACT
DREDGE & FILL APPLICATION

14 Leighton Road
Dover, NH
December, 2023

Prepared By: Brenden Walden CWS #297

Gove Environmental Services, Inc.
8 Continental Dr Bldg 2, Unit H, Exeter, NH 03833-7526
Ph (603) 778 0644 / *Fax* (603) 778 0654
info@gesinc.biz / www.gesinc.biz

GES# 2020104

TABLE OF CONTENTS

1.0	NHDES Wetlands Bureau Dredge & Fill Application Forms
1.1	Standard Dredge and Fill Wetlands Permit Application (NHDES-W-06-012)
1.2	Avoidance and Minimization Written Narrative (NHDES-W-06-089)
1.3	Highway Methodology Functions and Values
1.4	Wetlands Functions and Values Analysis
1.5	Coastal Resource Worksheet (NHDES-W-06-079)
1.6	Wetlands Permit Application Attachment A (NHDES-W-06-013)
1.7	Army Corps of Engineers Appendix B
2.0	General Information
2.1	Project Name, Plans, and Maps
2.2	Technical Standards
2.3	Site Description/Wetlands Overview
3.0	Project Overview
3.1	Coastal Functional Assessment
3.2	Vulnerability Assessment
3.3	Coastal Maps
3.4	USGS Quad Sheet Locus Map
3.5	Wildlife Action Plan
3.6	Aerial Photography
3.7	Existing Conditions Plan
3.8	Site Plans
3.9	Wetland Impact Plan
3.10	Photolog of Impact Areas
3.11	Property Deed

APPENDICES

Appendix I	New Hampshire Natural Heritage Bureau Inquiry
Appendix II	New Hampshire Department of Historic Resources Inquiry
Appendix III	Tax Map, List of Abutters, Abutter Notification Letter, and Certified Mail Receipts



STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division / Land Resources Management
[Check the Status of your Application](#)



RSA/Rule: RSA 482-A/Env-Wt 100-900

APPLICANT'S NAME: David Lemieux

TOWN NAME: Dover

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the [Waiver Request Form](#).

SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))

Please use the [Wetland Permit Planning Tool \(WPPT\)](#), the Natural Heritage Bureau (NHB) [DataCheck Tool](#), the [Aquatic Restoration Mapper](#), or other sources to assist in identifying key features such as: [Priority Resource Areas \(PRAs\)](#), [protected species or habitats](#), coastal areas, designated rivers, or designated prime wetlands.

Has the required planning been completed?	☒ Yes ☐ No
Does the property contain a PRA? If yes, provide the following information:	☐ Yes ☐ No
• Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHFG) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04.	☐ Yes ☒ No
• Protected species or habitat? ○ If yes, species or habitat name(s): ○ NHB Project ID #: NHB23-2320	☐ Yes ☒ No
• Bog?	☐ Yes ☒ No
• Floodplain wetland contiguous to a tier 3 or higher watercourse?	☒ Yes ☐ No
• Designated prime wetland or duly-established 100-foot buffer?	☐ Yes ☒ No
• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?	☒ Yes ☐ No
Is the property within a Designated River corridor? If yes, provide the following information:	☐ Yes ☒ No
• Name of Local River Management Advisory Committee (LAC): • A copy of the application was sent to the LAC on Month: Day: Year:	

lrn@des.nh.gov or (603) 271-2147

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For dredging projects, is the subject property contaminated? • If yes, list contaminant:	☐ Yes ☒ No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	☐ Yes ☒ No
For stream crossing projects, provide watershed size (see WPPT or Stream Stats): N/A	
SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))	
Provide a description of the project and the purpose of the project, the need for the proposed impacts to jurisdictional areas, an outline of the scope of work to be performed, and whether impacts are temporary or permanent.	
The applicant is proposing a residential redevelopment of two existing structures on 14 Leighton Rd in Dover. The project will involve the demolition of the existing single family house and cottage, and relocating the two structures outside of the 50 ft buffer to the identified previously disturbed tidal buffer zone. With the redevelopment there will be associated accessory structures within the 50 ft buffer zone as allowed per the shoreline frontage calculation. The redevelopment will require both a shoreland and a wetland permit application. Temporary impacts related to the wetland permit application will be associated with the demolition of the existing single family dwelling and cottage that are currently within the 50 ft previously disturbed tidal buffer. These areas will be stabilized upon demolition completion. The permanent impacts in the previously disturbed tidal buffer zone will be associated with the construction of the proposed single family house and cottage, neither structure will encroach the 50 ft buffer however will have associated accessory structures within the 50 ft in the form of patios, walkways and pool. The proposed project will not have greater than 20% impervious surface on the property with the incorporation of pervious pavers and pervious pavement. Remaining impacts outside of the 100 ft previously disturbed tidal buffer zone will be addressed in the shoreland application.	
SECTION 3 - PROJECT LOCATION	
Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.	
ADDRESS: 14 Leighton Rd	
TOWN/CITY: Dover	
TAX MAP/BLOCK/LOT/UNIT: Map 8 Lot 19	
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: ☐ N/A Great Bay	
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):	

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: David Lemieux		
MAILING ADDRESS: 14 Leighton Rd		
TOWN/CITY: Dover	STATE: NH	ZIP CODE:
EMAIL ADDRESS: david@lemieuxbuildersllc.com		
FAX:	PHONE: 603-235-4370	
ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))		
☐ N/A		
LAST NAME, FIRST NAME, M.I.: Walden, Brenden, M.		
COMPANY NAME: Gove Environmental Services, Inc.		
MAILING ADDRESS: 8 Continental Drive, Bldg 2, Unit H		
TOWN/CITY: Exeter	STATE: NH	ZIP CODE: 03833
EMAIL ADDRESS: bwalden@gesinc.biz		
FAX:	PHONE: 207-710-7863	
ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))		
If the owner is a trust or a company, then complete with the trust or company information.		
☒ Same as applicant		
NAME:		
MAILING ADDRESS:		
TOWN/CITY:	STATE:	ZIP CODE:
EMAIL ADDRESS:		
FAX:	PHONE:	
ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically.		

SECTION 7 - RESOURCE-SPECIFIC CRITERIA ESTABLISHED IN Env-Wt 400, Env-Wt 500, Env-Wt 600, Env-Wt 700, OR Env-Wt 900 HAVE BEEN MET (Env-Wt 313.01(a)(3))

Describe how the resource-specific criteria have been met for each chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters):
The proposed project will meet the project classification criteria outlined in chapter 300, 400, and 600 for work on coastal properties. These specific items will be further addressed in the application.

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)).* Any project with unavoidable jurisdictional impacts must then be minimized as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#) and the [Wetlands Permitting: Avoidance, Minimization and Mitigation fact sheet](#). For minor or major projects, a functional assessment of all wetlands on the project site is required (Env-Wt 311.03(b)(10)).*

Please refer to the application checklist to ensure you have attached all documents related to avoidance and minimization, as well as functional assessment (where applicable). Use the [Avoidance and Minimization Checklist](#), the [Avoidance and Minimization Narrative](#), or your own avoidance and minimization narrative.

**See Env-Wt 311.03(b)(6) and Env-Wt 311.03(b)(10) for shoreline structure exemptions.*

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

If unavoidable jurisdictional impacts require mitigation, a mitigation [pre-application meeting](#) must occur at least 30 days but not more than 90 days prior to submitting this Standard Dredge and Fill Permit Application.

Mitigation Pre-Application Meeting Date: Month: Day: Year: September 14, 2023

☒ N/A - Mitigation is not required

SECTION 10 - THE PROJECT MEETS COMPENSATORY MITIGATION REQUIREMENTS (Env-Wt 313.01(a)(1)c)

Confirm that you have submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent unavoidable impacts that will remain after avoidance and minimization techniques have been exercised to the maximum extent practicable: ☐ I confirm submittal.

☒ N/A – Compensatory mitigation is not required

SECTION 11 - IMPACT AREA (Env-Wt 311.04(g))

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent (PERM.) impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary (TEMP.) impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

JURISDICTIONAL AREA		PERM. SF	PERM. LF	PERM. ATF	TEMP. SF	TEMP. LF	TEMP. ATF
Wetlands	Forested Wetland			☐			☐
	Scrub-shrub Wetland			☐			☐
	Emergent Wetland			☐			☐
	Wet Meadow			☐			☐
	Vernal Pool			☐			☐
	Designated Prime Wetland			☐			☐
	Duly-established 100-foot Prime Wetland Buffer			☐			☐
Surface	Intermittent / Ephemeral Stream			☐			☐
	Perennial Stream or River			☐			☐
	Lake / Pond			☐			☐
	Docking - Lake / Pond			☐			☐
	Docking - River			☐			☐
Banks	Bank - Intermittent Stream			☐			☐
	Bank - Perennial Stream / River			☐			☐
	Bank / Shoreline - Lake / Pond			☐			☐
Tidal	Tidal Waters			☐			☐
	Tidal Marsh			☐			☐
	Sand Dune			☐			☐
	Undeveloped Tidal Buffer Zone (TBZ)			☐			☐
	Previously-developed TBZ	8362		☐	2887		☐
	Docking - Tidal Water			☐			☐
TOTAL							

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)

☐ **MINIMUM IMPACT FEE:** Flat fee of \$400.

☐ **NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION:** Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).

☒ **MINOR OR MAJOR IMPACT FEE:** Calculate using the table below:

Permanent and temporary (non-docking):	11,249 SF	× \$0.40 =	\$ 4,499.
Seasonal docking structure:	SF	× \$2.00 =	\$
Permanent docking structure:	SF	× \$4.00 =	\$
Projects proposing shoreline structures (including docks) add \$400 =			\$
Total =			\$4,499.
<i>The application fee for minor or major impact is the above calculated total or \$400, whichever is greater =</i>			
			\$

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SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)

Indicate the project classification.

☐ Minimum Impact Project	☐ Minor Project	☒ Major Project
---	--	---

SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

Initials:	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials:	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
Initials:	The signer understands that: - The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: 1. Deny the application. 2. Revoke any approval that is granted based on the information. 3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.
Initials:	If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.

SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)

SIGNATURE (OWNER): 	PRINT NAME LEGIBLY: David Lemieux	DATE: 11/29/2023
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY: Brenden Walden, GES, Inc.	DATE:

SECTION 16 - TOWN / CITY CLERK SIGNATURE (Env-Wt 311.04(f))

As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

TOWN/CITY CLERK SIGNATURE:	PRINT NAME LEGIBLY:
TOWN/CITY:	DATE:

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I(a)(1)

1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board.
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".

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Keep this checklist for your reference; do not submit with your application.

APPLICATION CHECKLIST

Unless specified, all items below are required. Failure to provide the required items will delay a decision on your project and may result in denial of your application. Please reference statute RSA 482-A, Fill and Dredge in Wetlands, and the [Wetland Rules Env-Wt 100-900](#).

- ☐ The completed, dated, signed, and certified application (Env-Wt 311.03(b)(1)).
- ☐ Correct fee as determined in RSA 482-A:3, I(b) or (c), subject to any cap established by RSA 482-A:3, X (Env-Wt 311.03(b)(2)). Make check or money order payable to "Treasurer – State of NH".
- ☐ The Required Planning actions required by Env-Wt 311.01(a)-(c) and Env-Wt 311.03(b)(3).
- ☐ [US Army Corps of Engineers \(ACE\) "Appendix B, New Hampshire General Permits \(GPs\), Required Information and Corps Secondary Impacts Checklist"](#) and its required attachments (Env-Wt 307.02). This includes the [US Fish and Wildlife Service IPAC review](#) and [Section 106 Historic/Archaeological Resource review](#).
- ☐ Project plans described in Env-Wt 311.05 (Env-Wt 311.03(b)(4)).
- ☐ Maps, or electronic shape files and meta data, and other attachments specified in Env-Wt 311.06 (Env-Wt 311.03(b)(5)).
- ☐ Explanation of the methods, timing, and manner as to how the project will meet standard permit conditions required in Env-Wt 307 (Env-Wt 311.03(b)(7)).
- ☐ If applicable, the information regarding proposed compensatory mitigation specified in Env-Wt 311.08 and Chapter Env-Wt 800 - [Permittee Responsible Mitigation Project Worksheet](#), unless not required under Env-Wt 313.04 (Env-Wt 311.03(b)(8); Env-Wt 311.08; Env-Wt 313.04).
- ☐ Any additional information specific to the **type of resource** as specified in Env-Wt 311.09 (Env-Wt 311.03(b)(9); Env-Wt 311.04(j)).
- ☐ Project specific information required by Env-Wt 500, Env-Wt 600, and Env-Wt 900 (Env-Wt 311.03(b)(11)).
- ☐ A list containing the name, mailing address and tax map/lot number of each abutter to the subject property (Env-Wt 311.03(b)(12)).
- ☐ Copies of certified postal receipts or other proof of receipt of the notices that are required by RSA 482-A:3, I(d) (Env-Wt 311.03(b)(13)).
- ☐ Project design considerations required by Env-Wt 313 (Env-Wt 311.04(j)).
- ☐ Town tax map showing the subject property, the location of the project on the property, and the location of properties of abutters with each lot labeled with the name and mailing address of the abutter (Env-Wt 311.06(a)).
- ☐ Dated and labeled color photographs that:
 - (1) Clearly depict:
 - a. All jurisdictional areas, including but not limited to portions of wetland, shoreline, or surface water where impacts have or are proposed to occur.
 - b. All existing shoreline structures.
 - (2) Are mounted or printed no more than 2 per sheet on 8.5 x 11 inch sheets (Env-Wt 311.06(b)).
- ☐ A copy of the appropriate US Geological Survey map or updated data based on LiDAR at a scale of one inch equals 2,000 feet showing the location of the subject property and proposed project (Env-Wt 311.06(c)).
- ☐ A narrative that describes the work sequence, including pre-construction through post-construction, and the relative timing and progression of all work (Env-Wt 311.06(d)).

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- ☐ For all projects in the protected tidal zone, a copy of the recorded deed with book and page numbers for the property (Env-Wt 311.06(e)).
- ☐ If the applicant is not the owner in fee of the subject property, documentation of the applicant's legal interest in the subject property, provided that for utility projects in a utility corridor, such documentation may comprise a list that:
 - (1) Identifies the county registry of deeds and book and page numbers of all of the easements or other recorded instruments that provide the necessary legal interest; and
 - (2) Has been certified as complete and accurate by a knowledgeable representative of the applicant (Env-Wt 311.06(f)).
- ☐ The NHB memo containing the NHB identification number and results and recommendations from NHB as well as documentation of any consultation requests made to NHFG, communications and information related to the consultation, with the consultation results and recommendations from NHFG. (Env-Wt 311.06(g)). See [Wetlands Permitting: Protected Species and Habitat Fact Sheet](#).
- ☐ A statement of whether the applicant has received comments from the local conservation commission and, if so, how the applicant has addressed the comments (Env-Wt 311.06(h)).
- ☐ For projects in LAC jurisdiction, a statement of whether the applicant has received comments from the LAC and, if so, how the applicant has addressed the comments (Env-Wt 311.06(i)).
- ☐ If the applicant is also seeking to be covered by the state general permits, a statement of whether comments have been received from any federal agency and, if so, how the applicant has addressed the comments (Env-Wt 311.06(j)).
- ☐ [Avoidance and Minimization Written Narrative](#) or the [Avoidance and Minimization Checklist](#), or your own avoidance and minimization narrative (Env-Wt 311.07).
- ☐ For after-the-fact applications: information required by Env-Wt 311.12.
- ☐ [Coastal Resource Worksheet](#) for coastal projects as required under Env-Wt 600.
- ☐ Prime Wetlands information required under Env-Wt 700. See [WPPT](#) for prime wetland mapping.
- ☐ For non-tidal shoreline structure projects, the length of shoreline frontage per Env-Wt 311.09(b)(1)

Required Attachments for Minor and Major Projects

- ☐ [Attachment A: Minor and Major Projects](#) (Env-Wt 313.03).
- ☐ [Functional Assessment Worksheet](#) or others means of documenting the results of actions required by Env-Wt 311.10 as part of an application preparation for a standard permit (Env-Wt 311.03(b)(3); Env-Wt 311.03(b)(10)). See [Functional Assessments for Wetlands and Other Aquatic Resources Fact Sheet](#). For shoreline structures, see shoreline structures exemption in Env-Wt 311.03(b)(10)).

Optional Materials

- ☐ [Stream Crossing Worksheet](#) which summarizes the requirements for stream crossings under Env-Wt 900.
- ☐ Request for [concurrent processing of related shoreland / wetlands permit applications](#) (Env-Wt 313.05).



**AVOIDANCE AND MINIMIZATION
WRITTEN NARRATIVE**
Water Division/Land Resources Management
Wetlands Bureau
[Check the Status of your Application](#)



RSA/ Rule: RSA 482-A/ Env-Wt 311.04(j); Env-Wt 311.07; Env-Wt 313.01(a)(1)b; Env-Wt 313.01(c)

APPLICANT'S NAME: David Lemieux

TOWN NAME: Dover

An applicant for a standard permit shall submit with the permit application a written narrative that explains how all impacts to functions and values of all jurisdictional areas have been avoided and minimized to the maximum extent practicable. This attachment can be used to guide the narrative (attach additional pages if needed). Alternatively, the applicant may attach a completed [Avoidance and Minimization Checklist \(NHDES-W-06-050\)](#) to the permit application.

SECTION 1 - WATER ACCESS STRUCTURES (Env-Wt 311.07(b)(1))

Is the primary purpose of the proposed project to construct a water access structure?

No water access structures are proposed for this project.

SECTION 2 - BUILDABLE LOT (Env-Wt 311.07(b)(1))

Does the proposed project require access through wetlands to reach a buildable lot or portion thereof?

No, Residential redevelopment

SECTION 3 - AVAILABLE PROPERTY (Env-Wt 311.07(b)(2))*

For any project that proposes permanent impacts of more than one acre, or that proposes permanent impacts to a PRA, or both, are any other properties reasonably available to the applicant, whether already owned or controlled by the applicant or not, that could be used to achieve the project's purpose without altering the functions and values of any jurisdictional area, in particular wetlands, streams, and PRAs?

**Except as provided in any project-specific criteria and except for NH Department of Transportation projects that qualify for a categorical exclusion under the National Environmental Policy Act.*

The project does not have more than one acre of impact and has not impacts to identified PRA's. Additionally all work is being done within the 100 ft previously disturbed tidal buffer zone.

SECTION 4 - ALTERNATIVES (Env-Wt 311.07(b)(3))

Could alternative designs or techniques, such as different layouts, different construction sequencing, or alternative technologies be used to avoid impacts to jurisdictional areas or their functions and values as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#)?

The applicant has limited options with constraints of the property size to meet the owners project objectives.

SECTION 5 - CONFORMANCE WITH Env-Wt 311.10(c) (Env-Wt 311.07(b)(4))**

How does the project conform to Env-Wt 311.10(c)?

***Except for projects solely limited to construction or modification of non-tidal shoreline structures only need to complete relevant sections of Attachment A.*

There are no direct wetland impacts with this proposed project. Additionally the applicant is moving both dwellings outside of the 50 ft tidal buffer and utilizing pervious pavement and porous pavers to assist in on site infiltration.

Wetland Function-Value Evaluation Form

Total area of wetland unknown Human made? no Is wetland part of a wildlife corridor? Yes or a "habitat island"? no

Adjacent land use Residential / Tidal Waters Distance to nearest roadway or other development 0 ft

Dominant wetland systems present E2US/EM1N Contiguous undeveloped buffer zone present no

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? lower

How many tributaries contribute to the wetland? unknown Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. Wetland A

Latitude 43.1196 Longitude 70.8309

Prepared by: BMW Date 8/4/2023

Wetland Impact:
Type 100 FT Tidal Buffer Zone Area _____

Evaluation based on:
Office YES Field YES

Corps manual wetland delineation completed? Y X N

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	Y	3,5,7,15	Y	Piscataqua River / tidal wetland
 Floodflow Alteration	Y	3,4,5,6,7,8,9,10,11,12,13,14,18	Y	Tidal wetland with dense herbaceous vegetation
 Fish and Shellfish Habitat	Y	1,3,4,5,6,7,10,14,16,17/1,3,4,5,6	Y	Piscataqua River / tidal wetland
 Sediment/Toxicant Retention	Y	1,2,3,4,5,7,8,10,12,16	Y	Piscataqua River / tidal wetland
 Nutrient Removal	Y	1,2,3,4,5,6,7,8,9,10,11	Y	Piscataqua River / tidal wetland
 Production Export	Y	1,2,3,4,5,6,7,11	Y	Piscataqua River / tidal wetland
 Sediment/Shoreline Stabilization	Y	1,3,4,6,7,8,9,10,11,12,13,15	Y	Piscataqua River / tidal wetland with stable shoreline at this location
 Wildlife Habitat	Y	6,8,12,13,14,18,19,21	Y	Piscataqua River / tidal wetland
 Recreation	N	5,7	N	Private Property
 Educational/Scientific Value	N		N	Private Property
 Uniqueness/Heritage	N	2,22,23	N	Tidal marsh common in this area
 Visual Quality/Aesthetics	N		N	No public view point
 ES Endangered Species Habitat				See NHB
 Other				

Notes: * Refer to backup list of numbered considerations.



GOVE ENVIRONMENTAL SERVICES, INC.

Date: November 29, 2023

Subject: Functions and Values Analysis

Re: Major Dredge and Fill Application
14 Leighton Road Dover, NH

The subject property located at 14 Leighton Road in Dover identified by Tax Map 8 Lot 19 is an existing residential property with a single-family dwelling and cottage on the property. The property is primarily lawn area, with sparse mature trees on the property and some areas of thicker vegetation in unmaintained areas of the lot. The subject property was initially delineated by Steven Ricker CWS #219 in June of 2020. The site was reviewed for the functions and values of the resource are by Brenden Walden CWS #297 in August of 2023. As identified in the existing conditions plan one area of wetland was identified on the property. The jurisdictional area identified on the property included the tidal limits of Great Bay along the southern portion of the property. This area of tidal wetland is accompanied by a jurisdictional 100ft tidal buffer zone which encroaches into the property significantly and encompasses the existing structures and associated driveway. Additionally, the property has associated shoreland buffers overlapping and extending beyond the 100 ft tidal buffer zone. A wetland function and value assessment was conducted using the US Army Corps Highway Methodology guidelines for the one identified wetland area.

The US Army Corps Highway Methodology considers 13 categories of function or value within a particular wetland area:

- 1. Groundwater recharge/discharge:** This function considers the potential for a wetland to serve as a groundwater recharge and/or discharge area. Recharge should relate to the potential for the wetland to contribute water to an aquifer. Discharge should relate to the potential for the wetland to serve as an area where ground water can be discharged to the surface.
- 2. Floodflow Alteration:** This function considers the effectiveness of the wetland in reducing flood damage by attenuation of floodwaters for prolonged periods following precipitation events.
- 3. Fish and Shellfish Habitat:** This function considers the effectiveness of seasonal or permanent water bodies associated with the wetland in question for fish and shell fish habitat.
- 4. Water Quality—Sediment/Toxicant/Pathogen Retention:** This function reduces or prevents degradation of water quality. It relates to the effectiveness of the wetland as a trap for sediments, toxicants or pathogens.
- 5. Water Quality—Nutrient Removal/Retention/Transformation:** This function relates to the effectiveness of the wetland to prevent adverse effects of excess nutrients entering aquifers or surface waters such as ponds, lakes, streams, rivers or estuaries.
- 6. Production Export:** This function relates to the effectiveness of the wetland to produce food or usable products for human, or other living organisms.
- 7. Sediment/Shoreline Stabilization:** This function relates to the effectiveness of a wetland to stabilize stream banks and shorelines against erosion.



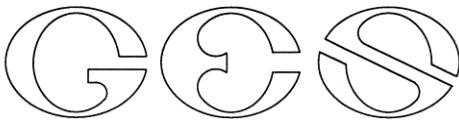
- 8. Wildlife Habitat:** This function considers the effectiveness of the wetland to provide habitat for various types and populations of animals typically associated with wetlands and the wetland edge. Both resident and or migrating species must be considered.
- 9. Recreation:** This value considers the effectiveness of the wetland and associated watercourses to provide recreational opportunities such as canoeing, boating, fishing, hunting and other active or passive recreational activities. Consumptive opportunities consume or diminish the plants, animals or other resources that are intrinsic to the wetland, whereas non-consumptive opportunities do not.
- 10. Educational/Scientific Value:** This value considers the effectiveness of the wetland as a site for an “outdoor classroom” or as a location for scientific study or research.
- 11. Uniqueness/Heritage:** This value relates to the effectiveness of the wetland or its associated water bodies to produce certain special values. Special values may include such things as archeological sites, unusual aesthetic quality, historical events, or unique plants, animals, or geological features.
- 12. Visual Quality/Aesthetics:** This value relates to the visual and aesthetic qualities of the wetland.
- 13. Threatened or Endangered Species Habitat:** This value relates to the effectiveness of the wetland or associated water bodies to support threatened or endangered species

Functions are self-sustaining properties of wetlands, which exist in the absence of human involvement. Values refers to the benefits gained by human society from a given wetland or ecosystem and their inherent functions. Functions and values identified as “Principal” have been determined to be significant features of the wetland being evaluated. This does not necessarily indicate the wetland supports these functions or values at a significant level in comparison to other wetlands in the region or even near the site. A discussion of the evaluation area and the associated functions and values is provided in the sections below.

Wetland A:

The wetland observed on the subject property was identified as an estuarine emergent wetland system contiguous with intertidal wetland. This resource area is identified as Great Bay that abuts the southern property boundary. There is a gradual slope in the land that gives a light sheet flow runoff contribution to the resource area. Principal functions associated with the tidal area consist of Groundwater Recharge/Discharge, Floodflow Alteration, Fish and Shellfish Habitat, Sediment/Toxicant Retention, Nutrient Removal, Production Export, Shoreline/Sediment Stabilization and Wildlife Habitat. These identified principal functions are associated with the large tidal resource area that is connected to the Piscataqua River. The proposed residential redevelopment will have impacts to the previously disturbed tidal buffer associated with the resource area, however, the proposed project will pull all dwellings outside of the 50ft previously disturbed tidal buffer zone and incorporate pervious pavers and porous pavement to assist with infiltration on the site.

Overall, the applicant has worked within the unique constraints of the property and its identified jurisdictional resource area to design the project to work within the guidelines of local and state requirements and has worked effectively to ensure that there would be no significant loss to any



GOVE ENVIRONMENTAL SERVICES, INC.

of the overall functions and values of the wetlands on the subject property or adjacent properties and resource areas. They have been able to achieve this by minimizing the proposed impact and keeping as much out of the buffer as possible as well as locating it in an area that has seen previous disturbance (i.e., residential lawn).

This concludes the functions and values analysis for the major dredge and fill application for 14 Leighton Road in Dover, NH. If you have any other questions or believe I can assist you and any other way, please feel free to contact me either by email: bwalden@gesinc.biz or by phone: 207-710-7863.

Sincerely

Brenden Walden
Business Manager & Wetland Scientist
Gove Environmental Services, Inc.



STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION ATTACHMENT A: MINOR AND MAJOR PROJECTS



Water Division/Land Resources Management
Wetlands Bureau

[Check the Status of your Application](#)

RSA/ Rule: RSA 482-A/ Env-Wt 311.10; Env-Wt 313.01(a)(1); Env-Wt 313.03

APPLICANT'S NAME: David R. Lemieux

TOWN NAME: Dover

Attachment A is required for *all minor and major projects*, and must be completed *in addition* to the [Avoidance and Minimization Narrative](#) or [Checklist](#) that is required by Env-Wt 307.11.

For projects involving construction or modification of non-tidal shoreline structures over areas of surface waters having an absence of wetland vegetation, only Sections I.X through I.XV are required to be completed.

PART I: AVOIDANCE AND MINIMIZATION

In accordance with Env-Wt 313.03(a), the Department shall not approve any alteration of any jurisdictional area unless the applicant demonstrates that the potential impacts to jurisdictional areas have been avoided to the maximum extent practicable and that any unavoidable impacts have been minimized, as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#).

SECTION I.I - ALTERNATIVES (Env-Wt 313.03(b)(1))

Describe how there is no practicable alternative that would have a less adverse impact on the area and environments under the Department's jurisdiction.

THE PROPOSED PROJECT IS THE LEAST IMPACTING ALTERNATIVE THAT THE APPLICANT CAN PROPOSE WHILE STILL MEETING THE DESIRED PROJECT OBJECTIVE FOR THE PROPERTY AND MEETING THE NEEDS OF THE OWNER/APPLICANT. THE PROJECT WILL REMOVE EXISTING DWELLING STRUCTURES FROM WITHIN THE 50 FT PREVIOUSLY DISTURBED TIDAL BUFFER ZONE AND RECONSTRUCT THE NEW STRUCTURES TO NOT ENCROACH THE 50 FT BUFFER. ALLOWED ACCESSORY STRUCTURES ARE PROPOSED AND WILL MEET THE REQUIRED ALLOWANCE FOR DISTURBANCE.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

SECTION I.II - MARSHES (Env-Wt 313.03(b)(2))

Describe how the project avoids and minimizes impacts to tidal marshes and non-tidal marshes where documented to provide sources of nutrients for finfish, crustacean, shellfish, and wildlife of significant value.

There are no direct impacts to tidal and non-tidal marshes additionally proposed project will remove the existing dwelling structures from the 50 ft previously disturbed tidal buffer zone creating a greater buffer to the identified resource area with only allowed accessory structures occupying space in the 50ft previously disturbed tidal buffer zone. These activities will not have any observable impacts to the resource area its water quality, or ability to provide nutrients to finfish, shellfish, or wildlife of significant value.

SECTION I.III - HYDROLOGIC CONNECTION (Env-Wt 313.03(b)(3))

Describe how the project maintains hydrologic connections between adjacent wetland or stream systems.

There are no proposed direct wetland impacts that will effect any existing hydrologic connectivity to the identified resource area.

SECTION I.IV - JURISDICTIONAL IMPACTS (Env-Wt 313.03(b)(4))

Describe how the project avoids and minimizes impacts to wetlands and other areas of jurisdiction under RSA 482-A, especially those in which there are exemplary natural communities, vernal pools, protected species and habitat, documented fisheries, and habitat and reproduction areas for species of concern, or any combination thereof.

The proposed project will result in the residential redevelopment of an existing lot of record with all disturbances occurring in previously disturbed tidal buffer area with no associated direct wetland impacts. all activities will make the property structures more conforming by removing the dwellings outside of the 50ft previously disturbed tidal buffer. Additionally we have received sign off from NH Fish and Game related to no concerns with the project and its relation to identified sturgeon habitat associated with the resource area.

SECTION I.V - PUBLIC COMMERCE, NAVIGATION, OR RECREATION (Env-Wt 313.03(b)(5))

Describe how the project avoids and minimizes impacts that eliminate, depreciate or obstruct public commerce, navigation, or recreation.

All work will occur within the subject property, and will not have any impacts that would eliminate, depreciate or obstruct public commerce, navigation, or recreation.

SECTION I.VI - FLOODPLAIN WETLANDS (Env-Wt 313.03(b)(6))

Describe how the project avoids and minimizes impacts to floodplain wetlands that provide flood storage.

There are no proposed impacts to flood plain wetlands or areas that would otherwise provide flood storage on the property.

SECTION I.VII - RIVERINE FORESTED WETLAND SYSTEMS AND SCRUB-SHRUB – MARSH COMPLEXES (Env-Wt 313.03(b)(7))

Describe how the project avoids and minimizes impacts to natural riverine forested wetland systems and scrub-shrub – marsh complexes of high ecological integrity.

No such areas were identified on the property.

SECTION I.VIII - DRINKING WATER SUPPLY AND GROUNDWATER AQUIFER LEVELS (Env-Wt 313.03(b)(8))

Describe how the project avoids and minimizes impacts to wetlands that would be detrimental to adjacent drinking water supply and groundwater aquifer levels.

There are no direct wetland impacts associated with this proposed project. Additionally the project is utilizing pervious pavers and pervious pavement to facilitate infiltration that will improve water quality of the runoff on the property.

SECTION I.IX - STREAM CHANNELS (Env-Wt 313.03(b)(9))

Describe how the project avoids and minimizes adverse impacts to stream channels and the ability of such channels to handle runoff of waters.

No areas were identified on the subject property.

SECTION I.X - SHORELINE STRUCTURES - CONSTRUCTION SURFACE AREA (Env-Wt 313.03(c)(1))

Describe how the project has been designed to use the minimum construction surface area over surface waters necessary to meet the stated purpose of the structures.

There are no shoreline structures proposed with the residential redevelopment.

SECTION I.XI - SHORELINE STRUCTURES - LEAST INTRUSIVE UPON PUBLIC TRUST (Env-Wt 313.03(c)(2))

Describe how the type of construction proposed is the least intrusive upon the public trust that will ensure safe docking on the frontage.

There are no shoreline structures proposed with the residential redevelopment.

SECTION I.XII - SHORELINE STRUCTURES – ABUTTING PROPERTIES (Env-Wt 313.03(c)(3))

Describe how the structures have been designed to avoid and minimize impacts on ability of abutting owners to use and enjoy their properties.

There are no shoreline structures proposed with the residential redevelopment.

SECTION I.XIII - SHORELINE STRUCTURES – COMMERCE AND RECREATION (Env-Wt 313.03(c)(4))

Describe how the structures have been designed to avoid and minimize impacts to the public's right to navigation, passage, and use of the resource for commerce and recreation.

There are no shoreline structures proposed with the residential redevelopment.

SECTION I.XIV - SHORELINE STRUCTURES – WATER QUALITY, AQUATIC VEGETATION, WILDLIFE AND FINFISH HABITAT (Env-Wt 313.03(c)(5))

Describe how the structures have been designed, located, and configured to avoid impacts to water quality, aquatic vegetation, and wildlife and finfish habitat.

There are no shoreline structures proposed with the residential redevelopment.

SECTION I.XV - SHORELINE STRUCTURES – VEGETATION REMOVAL, ACCESS POINTS, AND SHORELINE STABILITY (Env-Wt 313.03(c)(6))

Describe how the structures have been designed to avoid and minimize the removal of vegetation, the number of access points through wetlands or over the bank, and activities that may have an adverse effect on shoreline stability.

There are no shoreline structures proposed with the residential redevelopment.

PART II: FUNCTIONAL ASSESSMENT**REQUIREMENTS**

Ensure that project meets the requirements of Env-Wt 311.10 regarding functional assessment (Env-Wt 311.04(j); Env-Wt 311.10).

FUNCTIONAL ASSESSMENT METHOD USED:

ACOE Highway Methodology

NAME OF CERTIFIED WETLAND SCIENTIST (FOR NON-TIDAL PROJECTS) OR QUALIFIED COASTAL PROFESSIONAL (FOR TIDAL PROJECTS) WHO COMPLETED THE ASSESSMENT: BRENDEN WALDEN CWS #297

DATE OF ASSESSMENT: 11/29/23

Check this box to confirm that the application includes a NARRATIVE ON FUNCTIONAL ASSESSMENT:



For minor or major projects requiring a standard permit without mitigation, the applicant shall submit a wetland evaluation report that includes completed checklists and information demonstrating the RELATIVE FUNCTIONS AND VALUES OF EACH WETLAND EVALUATED. Check this box to confirm that the application includes this information, if applicable:



Note: The Wetlands Functional Assessment worksheet can be used to compile the information needed to meet functional assessment requirements.



**US Army Corps
of Engineers**®
New England District

**New Hampshire General Permits (GPs)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 5, regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*	X	
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	X	
2.2 Are there proposed impacts to SAS, special wetlands. Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at https://www2.des.state.nh.us/nhb_datacheck/ . The book Natural Community Systems of New Hampshire also contains specific information about the natural communities found in NH.		X
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	N/A	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		X
2.5 The overall project site is more than 40 acres?		X
2.6 What is the area of the previously filled wetlands?	0 SF	
2.7 What is the area of the proposed fill in wetlands?	0 SF	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	0 SF	
3. Wildlife	Yes	No
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: https://www2.des.state.nh.us/nhb_datacheck/ USFWS IPAC website: https://ecos.fws.gov/ipac/location/index	X	

3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: • PDF: https://wildlife.state.nh.us/wildlife/wap-high-rank.html. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html.		X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		X
3.5 Are stream crossings designed in accordance with the GC 21?	N/A	
4. Flooding/Floodplain Values	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?		X
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?	N/A	
5. Historic/Archaeological Resources		
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 11 GC 8(d) of the GP document**	X	

*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

** If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.

2.0 GENERAL INFORMATION

PREPARED BY (AGENT CONTACT): Brenden Walden

2.1 PROJECT NAME, PLANS, AND MAPS

PROJECT NAME: 14 Leighton Rd, Residential Redevelopment

SITE PLANS/MAPS: Existing Conditions Plan
Proposed Plan
8½"x11" USGS Quad Sheet Locus Map
8½"x11" Wildlife Action Plan
8½"x11" Aerial Imagery
11x17" Overview Plan
11x17" Wetland Impact Plan Detail
11x17" Project Site Tax Map

2.2 TECHNICAL STANDARDS: *Referenced on Existing Conditions Plan*

- 2.2.1 Steven D. Riker, CWS, delineated the wetlands on June 18, 2020, utilizing the standards of the Corps of Engineers *Wetlands Delineation Manual*¹ and the NH DES Wetlands Bureau *Code of Administrative Rules*².
- 2.2.2 Wetland flags were surveyed by Ambit Engineering, Inc.
- 2.2.3 Wetlands were classified by Steven Riker, utilizing the criteria of *Classification of Wetlands and Deepwater Habitats of the United States*³.
- 2.2.4 Dominant hydric soil conditions within the wetlands were identified by Steven Riker, utilizing the criteria of *Field Indicators for Identifying Hydric Soils in New England*⁴.
- 2.2.5 Dominance of wetland vegetation was assessed by Steven Riker utilizing the *National List of Plant Species That Occur in Wetlands: Northeast (Region 1)*⁵.

¹ Environmental Laboratory. 2012. "Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Northcentral and Northeast Region." Version 2.0. Technical Report ERDC/EL TR-10-12.

² NH Code Admin. R. [Wt] Ch. 100-1000.

³ Cowardin, L. M., 1979. *Classification of Wetlands and Deepwater Habitats in the United States*. Washington, D.C.: U.S. Department of the Interior, Fish and Wildlife Service.

⁴ New England Hydric Soils Technical Committee, Version 4. June 2020. "Field Indicators for Identifying Hydric Soils in New England."

⁵ Lichvar, R.W. & Kartesz, J.T. 2009. North American Digital Flora: National Wetland Plant List. 2.2.1.

2.3 SITE DESCRIPTION/WETLANDS OVERVIEW

The subject property is located on 14 Leighton Rd identified by Tax Map 8 Lot 19 in Dover NH. The existing conditions of the 44,373 SF piece of land include a dominantly cleared maintained lot with sparse mature trees on the property and some areas of unmaintained thickets combined with maintained lawn area. Two residential buildings currently occupy the lot with one being a single-story residential dwelling and the other is referenced as a residential cottage. Both residences are within 50 ft of the Highest Observable Tide Line as shown on the existing conditions plant. The property has a moderate slope from north to south and an existing paved driveway to the residential buildings.

3.0 PROJECT OVERVIEW

The owner/applicant is proposing a residential redevelopment of the property. This redevelopment will include the demolition of the two existing structures and rebuilding the primary and secondary buildings outside of the 50ft buffer to the HOTL. Each structure will have accessory structures associated with them with the primary residence having a patio and pool combination and the secondary structure having a patio. A majority of the work will occur within the 100 ft previously disturbed tidal buffer zone and will have a combination of temporary and permanent impacts to complete the project as designed. Additional work done beyond the 100 ft previously disturbed tidal buffer zone will require a shoreland permit application.

3.1 COASTAL FUNCTIONAL ASSESSMENT

Env-Wt 603.04 Coastal Functional Assessment

(a) For minor or major standard permit applications, the applicant shall submit a CFA report that is based on the data screening information and on-site evaluation required by Env-Wt 603.03.

(b) A CFA for tidal wetlands or tidal waters shall be:

(1) Performed by a certified wetland scientist or qualified coastal professional; and

Brenden Walden CWS #297

(2) Completed using one of the following methods:

a. The US ACE Highway Methodology Workbook, dated 1993, together with the US ACE New England District Highway Methodology Workbook Supplement, dated 1999, both available as noted in Appendix B; or

See attached US ACE Highway Methodology data sheet.

b. An alternative scientifically-supported method with cited reference and the reasons for the alternative method substantiated.

N/A

(c) For any project that would impact tidal wetlands or tidal waters or associated sand dunes, the applicant shall:

N/A. Proposed impacts are to previously disturbed tidal buffer and will not have any direct impacts to the tidal waters.

(1) Use the results of the CFA to select the location of the proposed project having the least impact to tidal wetlands, tidal waters or associated sand dunes;

The proposed project is the least impacting alternative as designed while still achieving the project objectives and staying within the outlined limitations within the rules. The applicant is moving all structures outside of the 50 ft previously disturbed tidal buffer, incorporating pervious pavers and porous pavement to assist with infiltration and reduce impervious surface that was previously proposed.

(2) Design the proposed project to have the least impact to tidal resources in (1), above;

There are no direct impacts to tidal resources on the subject property. The only impacts are to the previously disturbed tidal buffer and shoreland. The project removes the residential dwellings outside of the 50 ft tidal buffer to become more conforming with all proposed dwellings to be constructed outside of the 50 ft tidal buffer with incorporated pervious pavers and porous pavement to assist in infiltration.

(3) Where impact to wetland and other coastal resource functions is unavoidable, limit the project impacts to the least valuable functions, avoiding and minimizing impact to the highest and most valuable functions; and

There are no direct impacts associated with this proposed residential redevelopment.

(4) Include on-site minimization measures and construction management practices to protect coastal resource areas.

The applicant will use all applicable BMP's during the demolition and construction phases of the project to ensure there is no degradation to the resource area to the greatest extent practicable.

3.2 VULNERABILITY ASSESSMENT

Env-Wt 603.05 Vulnerability Assessment. In accordance with the NH Coastal Risk and Hazards Commission Science and Technical Advisory Panel (STAP) Report, Sea-level Rise, Storm Surges, and Extreme Precipitation in Coastal New Hampshire: Analysis of Past and Projected Future Trends, available at <http://www.nhcrhc.org/stap-report/>, as updated by the 2019-2020 New Hampshire Coastal Flood Risk Summary Part I: Science, available at <https://scholars.unh.edu/ersc/210/>, and Part II: Guidance for Using Scientific Projections, available at <https://scholars.unh.edu/ersc/211/>, Laws of 2016, 195:1, and best available science for projects located in coastal areas, the applicant shall:

(a) Determine the time period over which the proposed project is designed to serve;

A typical house using modern materials and general upkeep can have a life span of 50+ years

(b) Identify the proposed project's relative risk tolerance to flooding and potential damage or loss likely to result from the flooding, to:

(1) Buildings and infrastructure; and

The proposed redevelopment is being designed to have the primary and accessory dwelling pushed further back than the existing structures from the HOTL additionally they are moving further from the FEMA Flood zone identified on the EC plan.

(2) Salt marshes, sand dunes, and other valuable coastal resource areas;

The proposed project moves the dwellings further from the resource area however the scale of the redevelopment on the property relative to the resource area will likely have no observable effects to salt marshes, sand dunes, and other valuable coastal resource areas.

(c) Reference the projected sea-level rise from the 2019-2020 STAP report, Part I: Science, available at <https://scholars.unh.edu/ersc/210/>, and Part II: Guidance for Using Scientific Projections, available at <https://scholars.unh.edu/ersc/211/>, and use the best available science and more recent available projected sealevel rise information that most closely matches the end of the project design life and the project's tolerance to risk or loss;

(d) Identify areas of the proposed project site subject to flooding from the selected sea-level rise projection;

See attached map.

(e) Identify areas that are currently located within the 100-year floodplain and subject to coastal flood risk;

See attached map.

(f) Describe how the project will consider and address selected sea-level rise within the project design life, including in the design plans; and

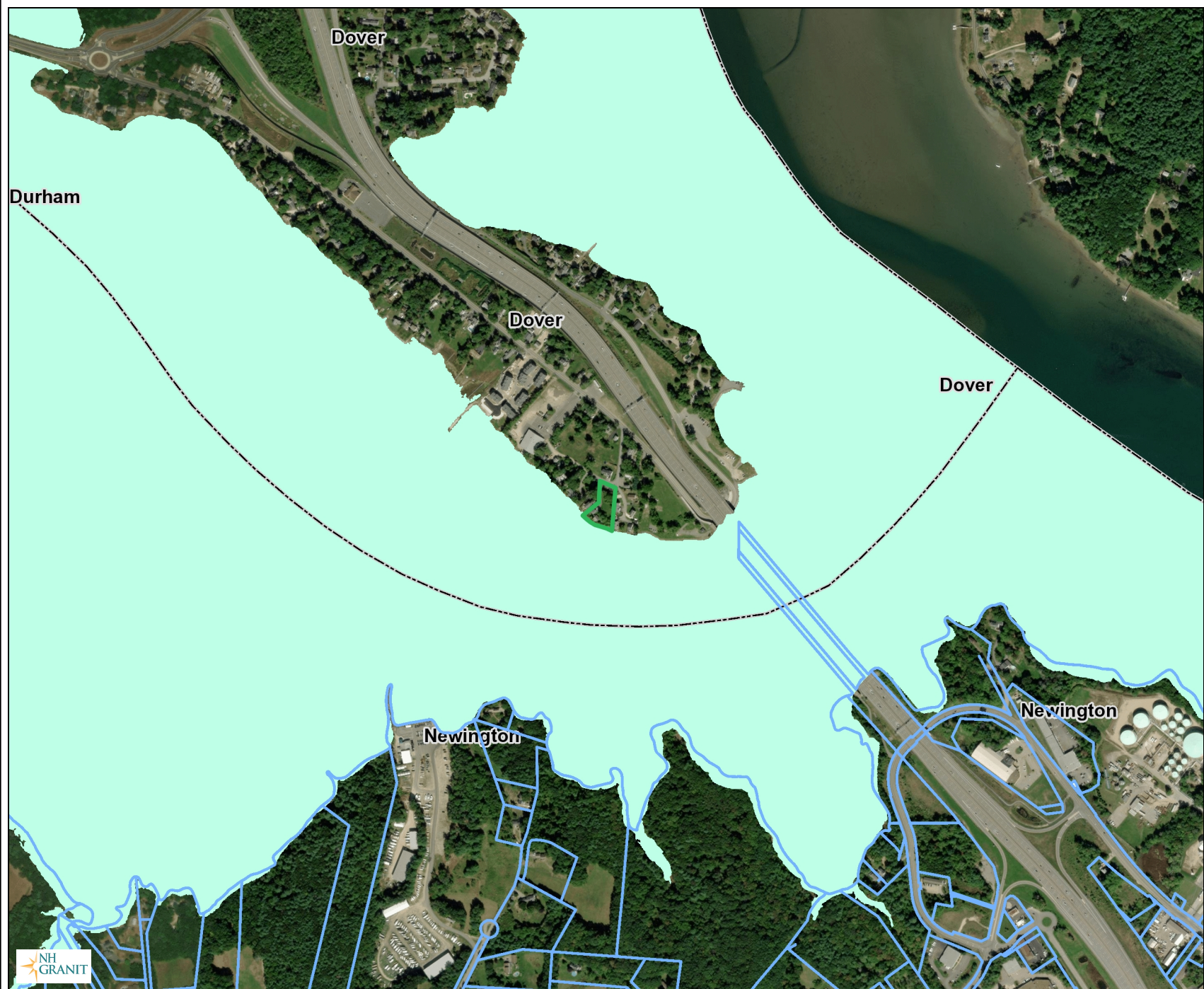
The proposed residential redevelopment is moving the proposed structures further from the resource area, effectively reducing their vulnerability to impacts related to sea level rise. At 1-2 ft of sea level rise per the available mapping the current structures don't have significant impacts. This effectively demonstrates that moving the structures further will reduce any potential risks to sea level rise.

(g) Where there are conflicts between the project's purpose and the vulnerability assessment results, schedule a pre-application meeting with the department to evaluate design alternatives, engineering approaches, and use of the best available science and the STAP report in (c), above, that consider and address the selected sea-level rise.

There are no conflicts between the results of the assessment and the project's purpose.

COASTAL MAPS

Sea Level Rise (SLR) over Mean Higher High Water (MHHW) - Baseline



Legend

— Additional Lines

- City/Town
 - MHHW Baseline

Map Scale
1: 11,057
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Map Scale
1: 11,057
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Notes
14 Leighton Road Dover, NH Tax Map 8 Lot 19

Notes
14 Leighton Road Dover, NH Tax Map 8 Lot 19

1% Annual Chance Flood Hazard



Legend

- State
- City/Town
- Flood Hazard Zones**
 - 1% Annual Chance Flood Hazard
 - Regulatory Floodway
 - Special Floodway
 - Area of Undetermined Flood Hazard
 - 0.2% Annual Chance Flood Hazard Future
 - Conditions 1% Annual Chance Flood Hazard
 - Area with Reduced Risk Due to Levee
 - Area with Risk Due to Levee

Map Scale

1: 10,000

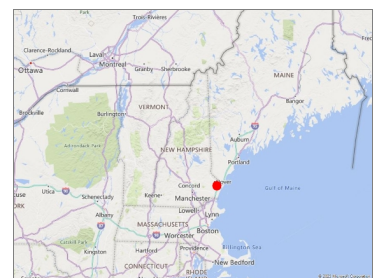
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19



Sea Level Rise (SLR) over Mean Higher High Water (MHHW) - MHHW + 1-ft SLR



Legend

- Additional Lines
- City/Town
- MHHW + 1-ft SLR
 - 0 - 2
 - 2 - 4
 - 4 - 6
 - 6 - 8
 - 10 +

Map Scale

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

MHHW + 1% Flood + 2-ft SLR



Legend

- Additional Lines
- City/Town
- MHHW + 1% Flood + 2-ft
- 0 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10
- 10 +

Map Scale

1: 22,114

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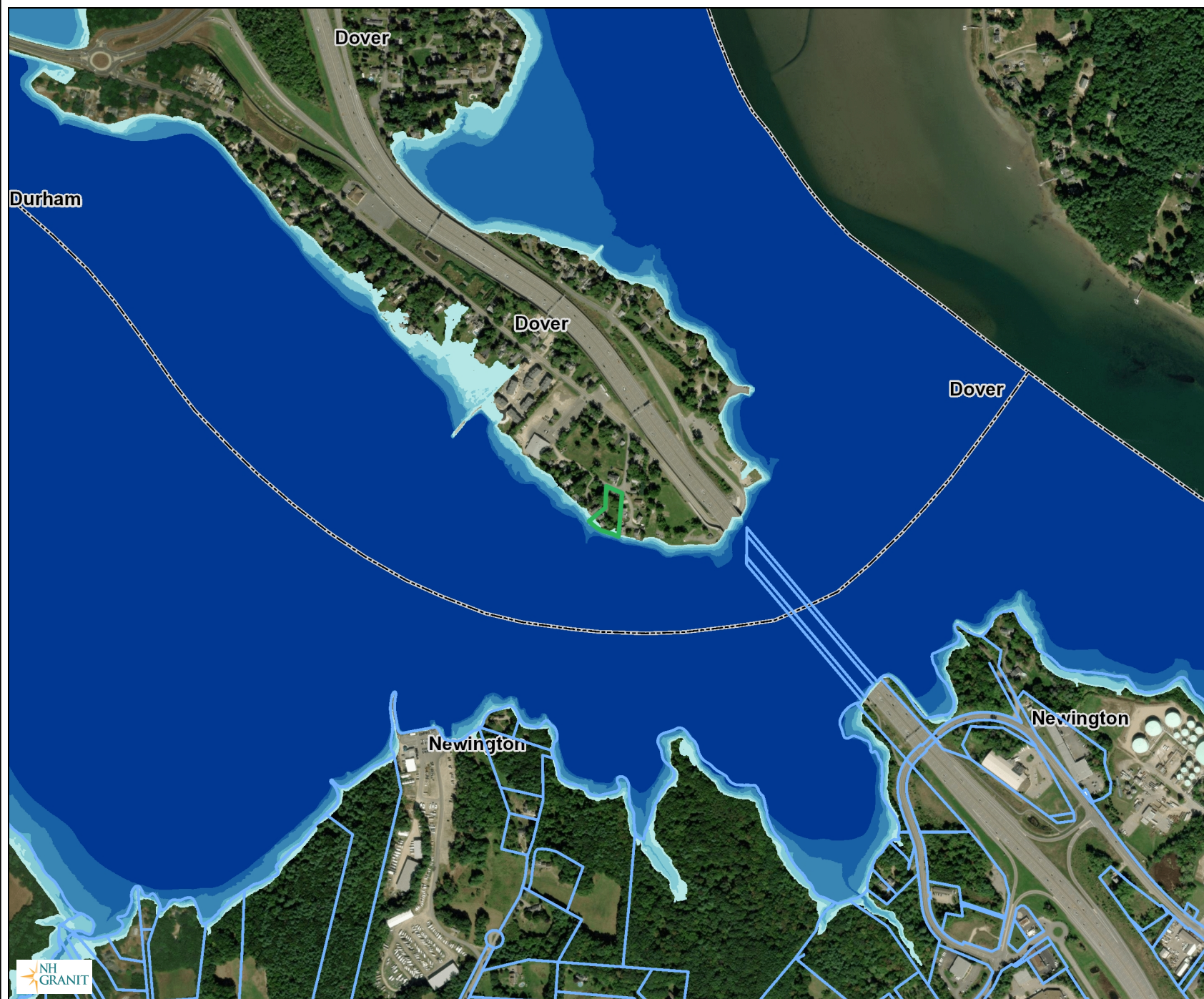
Map Generated: 8/4/2023



Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Sea Level Rise (SLR) over Mean Higher High Water (MHHW) - MHHW + 2-ft SLR



Legend

- Additional Lines
- City/Town
- MHHW + 2-ft SLR
 - 0 - 2
 - 2 - 4
 - 4 - 6
 - 6 - 8
 - 8 - 10
 - 10 +

Map Scale

1: 11,057

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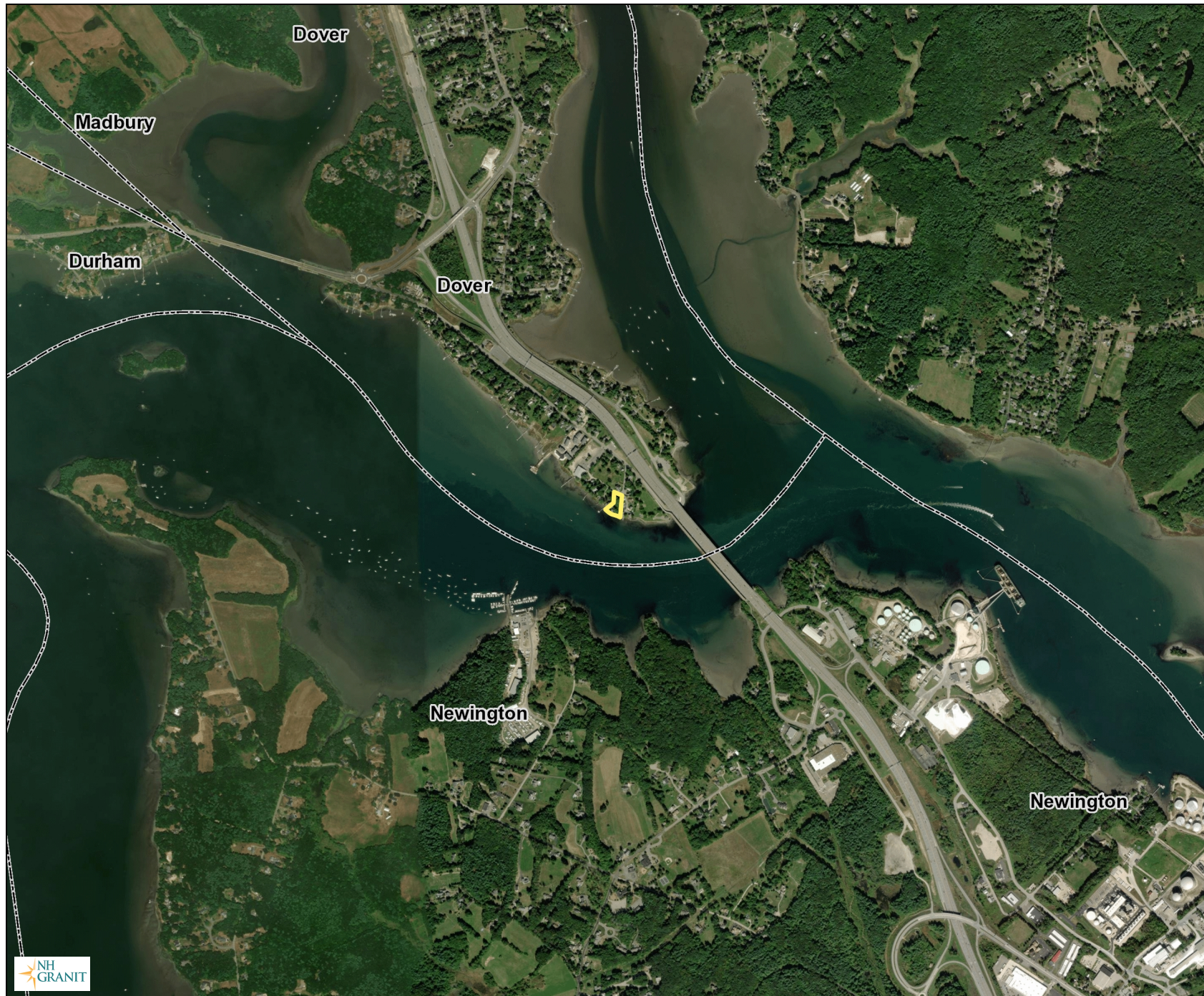
Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Shellfish

Legend

- Additional Lines
- City/Town
- Oyster Restoration Sites



Map Scale

1: 22,114

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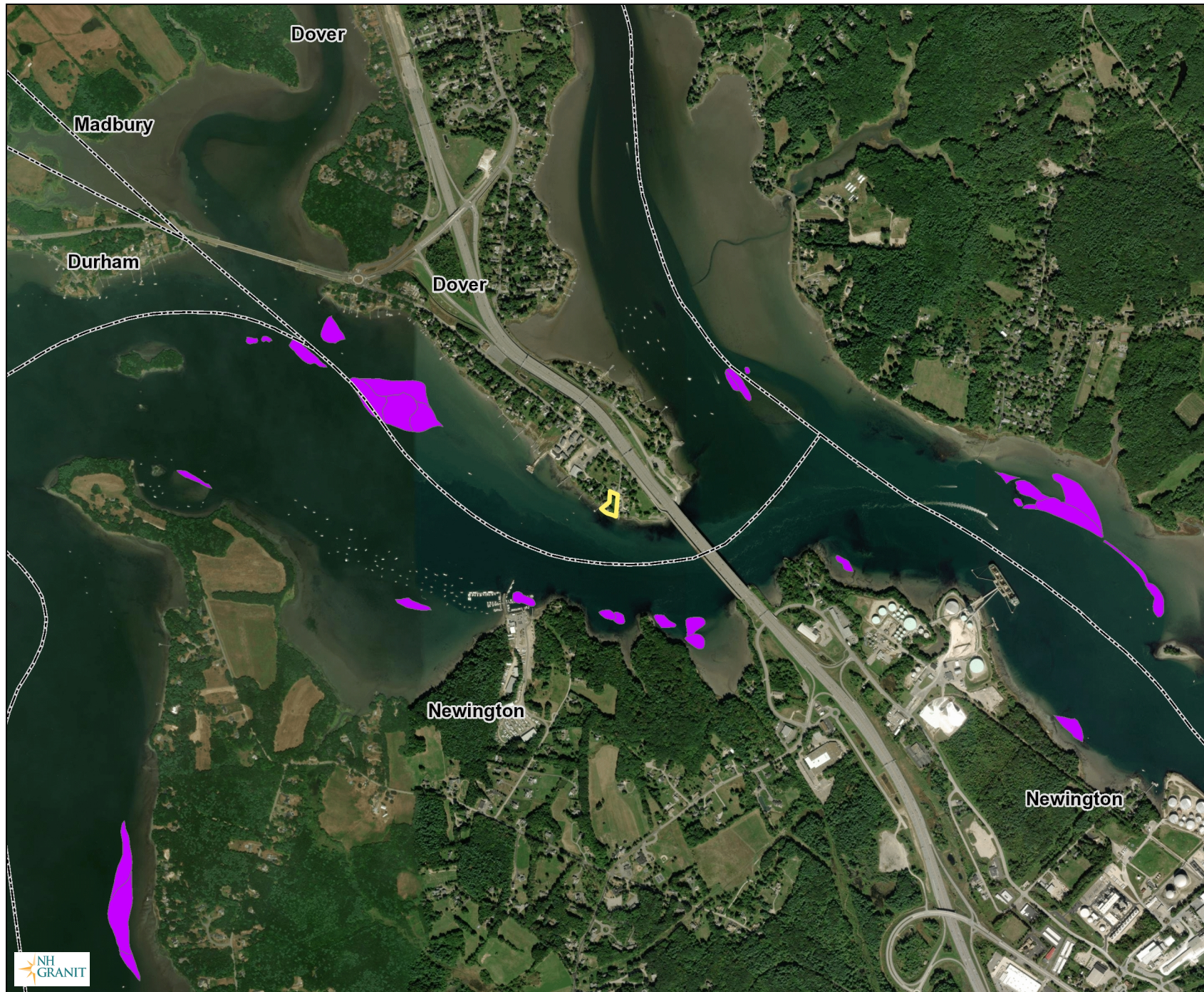
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Eelgrass 1996



Legend

- Additional Lines
- City/Town
- Eelgrass 1996

Map Scale

1: 22,114

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Eelgrass 2006



Legend

- Additional Lines
- City/Town
- Eelgrass 2006

Map Scale

1: 12,988

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Eelgrass 2016

Legend

- Additional Lines
- City/Town
- Eelgrass 2016



Map Scale

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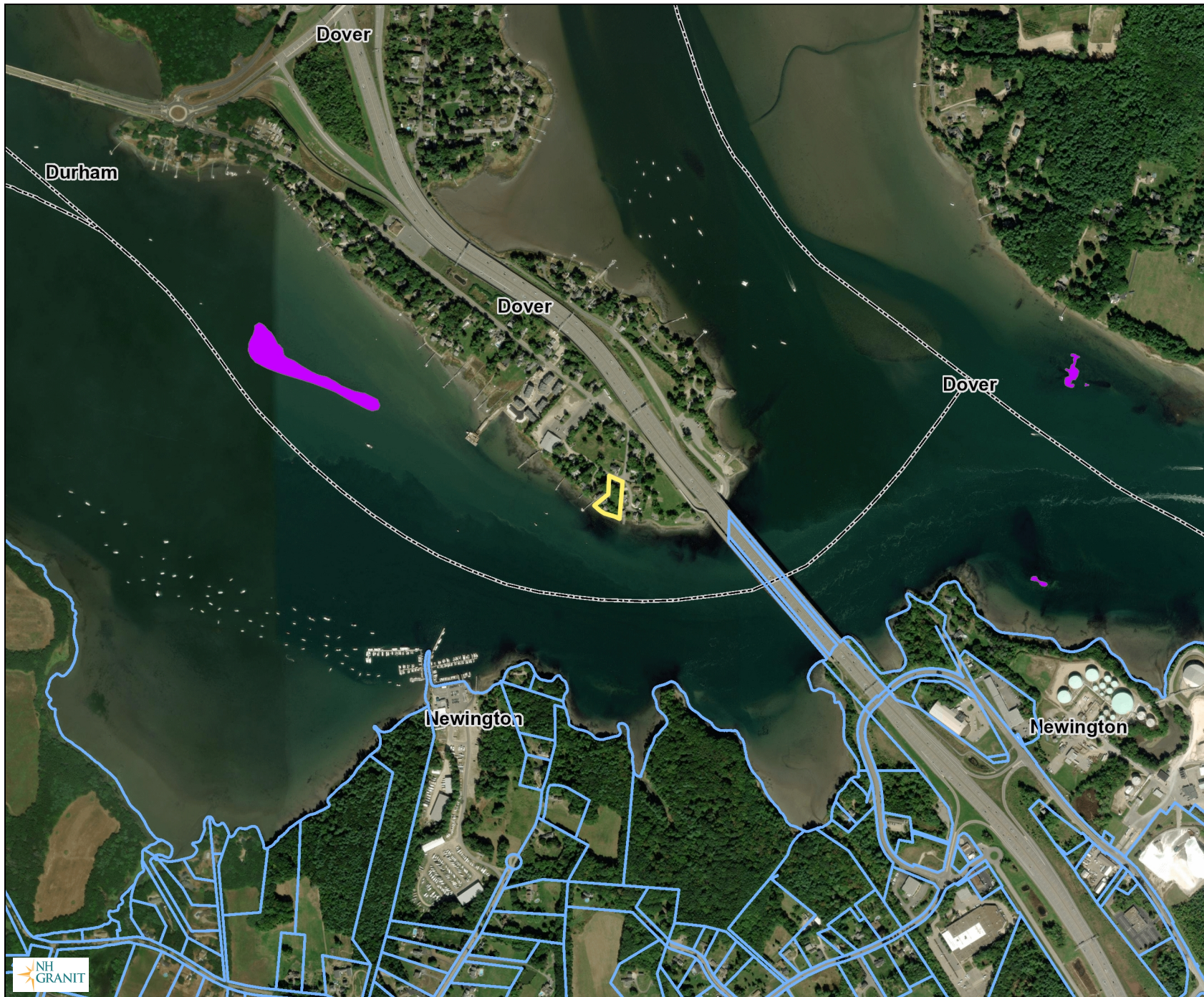
Notes

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Dover, NH
Tax Map 8 Lot 19

Eelgrass 2017

Legend

- Additional Lines
- City/Town
- Eelgrass 2017



Map Scale

1: 12,988

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Flood Plain Wetlands Adjacent to Tier 3 Streams

Legend

- Additional Lines
- City/Town
- Flood Plain Wetlands Adj



Map Scale

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Predicted Marsh Migration - Initial Conditions



Legend

- Additional Lines
- City/Town
- SLAMM 2022 - Initial Con
- Developed
- Developed-Impervious
- Estuarine Beach
- Estuarine Open Water
- Inland Fresh Marsh
- Inland Open Water
- Inland Shore
- Irregularly-flooded Marsh
- Ocean Beach
- Open Ocean
- Regularly-flooded Marsh
- Riverine Tidal
- Rocky Intertidal
- Swamp
- Tidal Flat
- Tidal Fresh Marsh
- Tidal Swamp
- Transitional Salt Marsh

Map Scale

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Predicted Marsh Migration - 0.75-m SLR at Year 2100



Legend

- Additional Lines
- City/Town
- SLAMM 2022 - 0.75-m SL
- | | |
|---------------------------|--|
| Developed | |
| Developed-Impervious | |
| Estuarine Beach | |
| Estuarine Open Water | |
| Inland Fresh Marsh | |
| Inland Open Water | |
| Inland Shore | |
| Irregularly-flooded Marsh | |
| Ocean Beach | |
| Open Ocean | |
| Regularly-flooded Marsh | |
| Riverine Tidal | |
| Rocky Intertidal | |
| Swamp | |
| Tidal Flat | |
| Tidal Fresh Marsh | |
| Tidal Swamp | |
| Transitional Salt Marsh | |

Map Scale
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1: 11,057

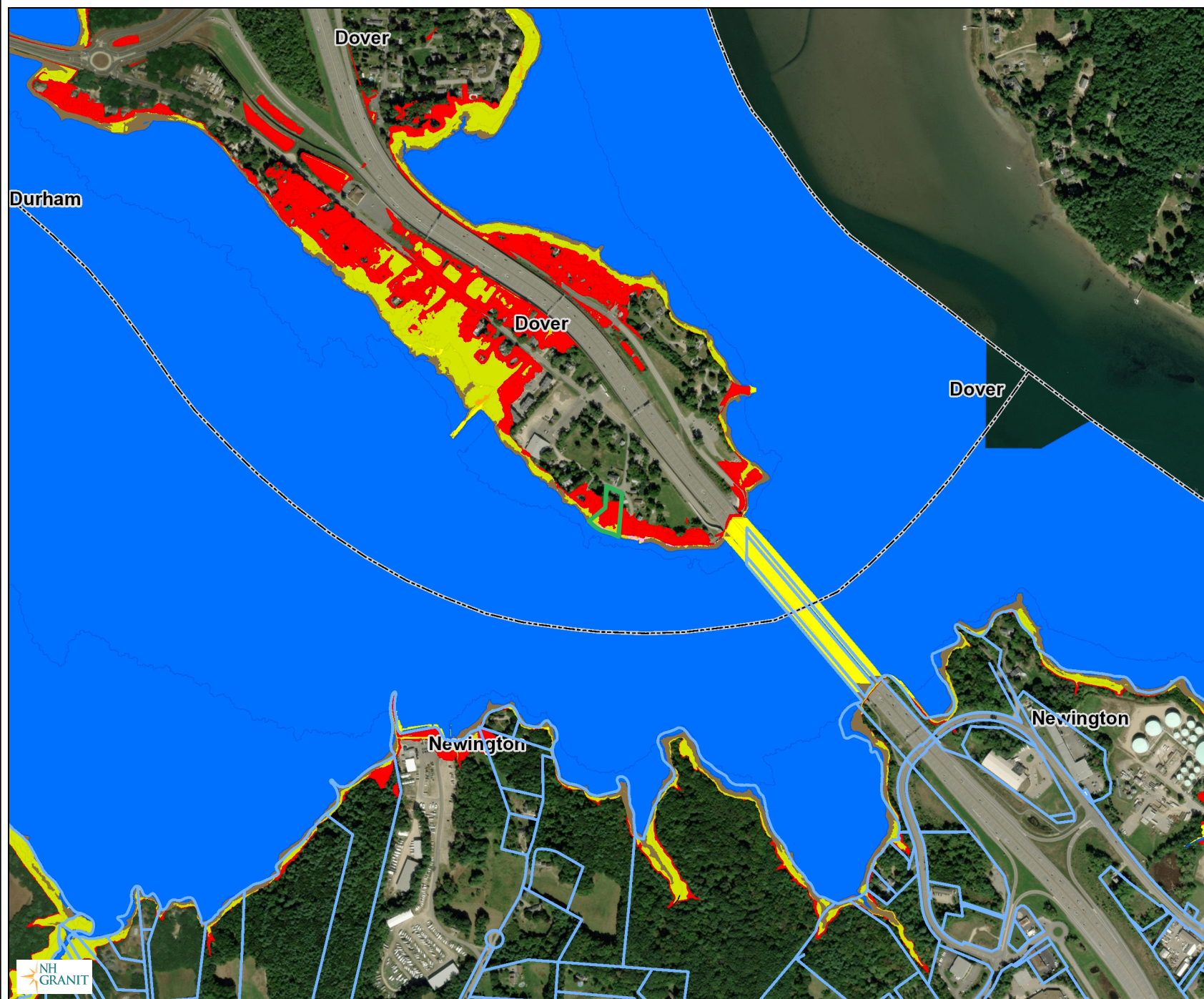
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Predicted Marsh Migration - 1.2-m SLR at Year 2100



Legend

- Additional Lines
- City/Town
- SLAMM 2022 - 1.2-m SLF
- Developed
- Developed-Impervious
- Estuarine Beach
- Estuarine Open Water
- Inland Fresh Marsh
- Inland Open Water
- Inland Shore
- Irregularly-flooded Marsh
- Ocean Beach
- Open Ocean
- Regularly-flooded Marsh
- Riverine Tidal
- Rocky Intertidal
- Swamp
- Tidal Flat
- Tidal Fresh Marsh
- Tidal Swamp
- Transitional Salt Marsh

Map Scale

1: 11,057

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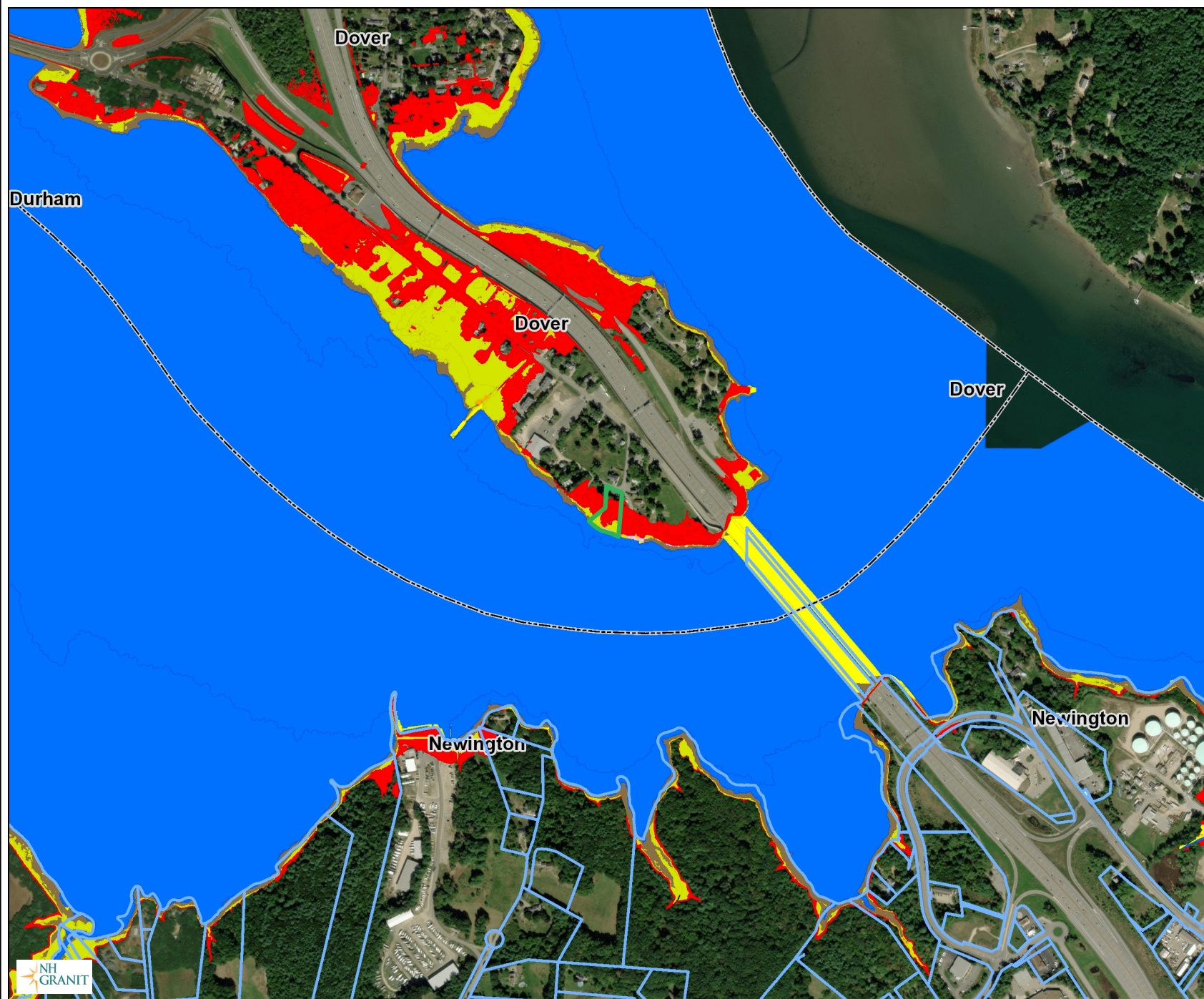
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

Predicted Marsh Migration - 1.5-m SLR at Year 2100



Legend

- Additional Lines
- City/Town
- SLAMM 2022 - 1.5-m SLF
- Developed
- Developed-Impervious
- Estuarine Beach
- Estuarine Open Water
- Inland Fresh Marsh
- Inland Open Water
- Inland Shore
- Irregularly-flooded Marsh
- Ocean Beach
- Open Ocean
- Regularly-flooded Marsh
- Riverine Tidal
- Rocky Intertidal
- Swamp
- Tidal Flat
- Tidal Fresh Marsh
- Tidal Swamp
- Transitional Salt Marsh

Map Scale

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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19

**1985 USGS QUAD SHEET LOCUS MAP
Scale 1:24,000**

USGS



Legend

-  State
 County
 City/Town
 Soil Series

Map Scale

1: 24,000

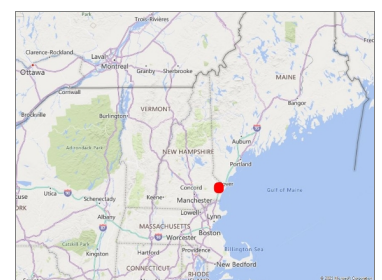
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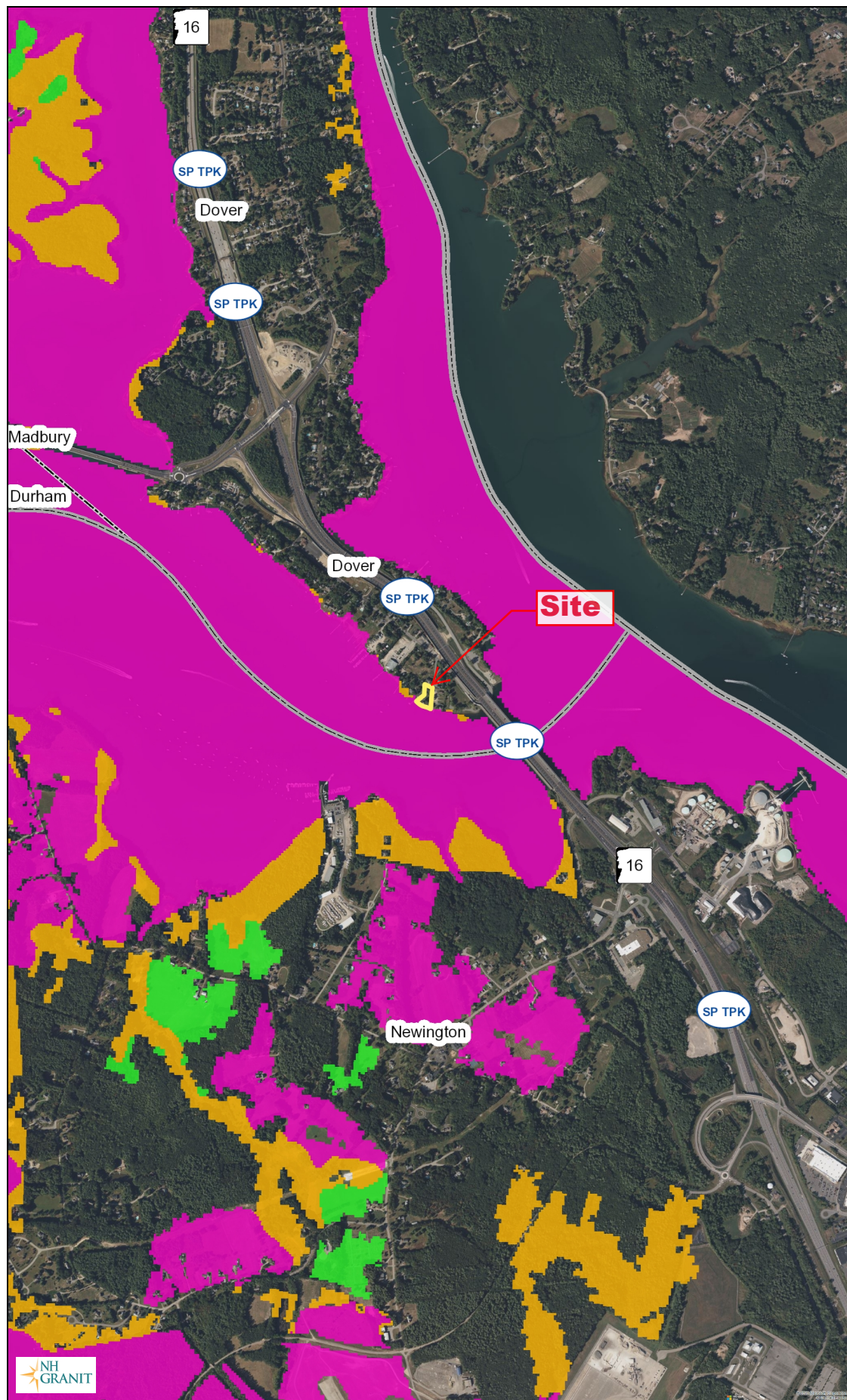
Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19



WILDLIFE ACTION PLAN
Scale 1:24,000

Wildlife Action Plan 2020: Highest Ranked Wildlife Habitat



Legend

- State
- County
- City/Town
- WAP 2020: Highest Ranked Wildlife Habitat
 - 1 Highest Ranked Habitat in NH
 - 2 Highest Ranked Habitat in Region
 - 3 Supporting Landscape

Map Scale

1: 24,000

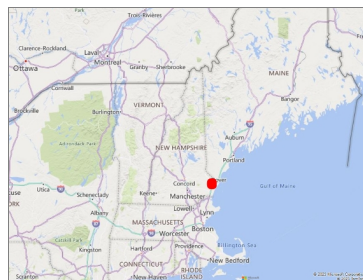
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19



AERIAL IMAGERY

Aerial



Legend

- State
- County
- City/Town

Map Scale

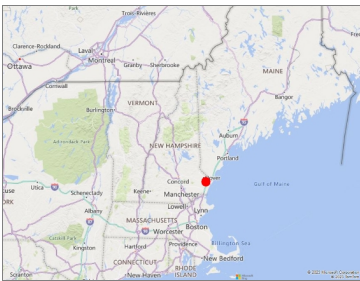
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Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19



Aerial



Legend

- State
- County
- City/Town

Map Scale

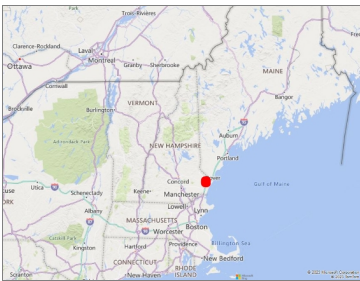
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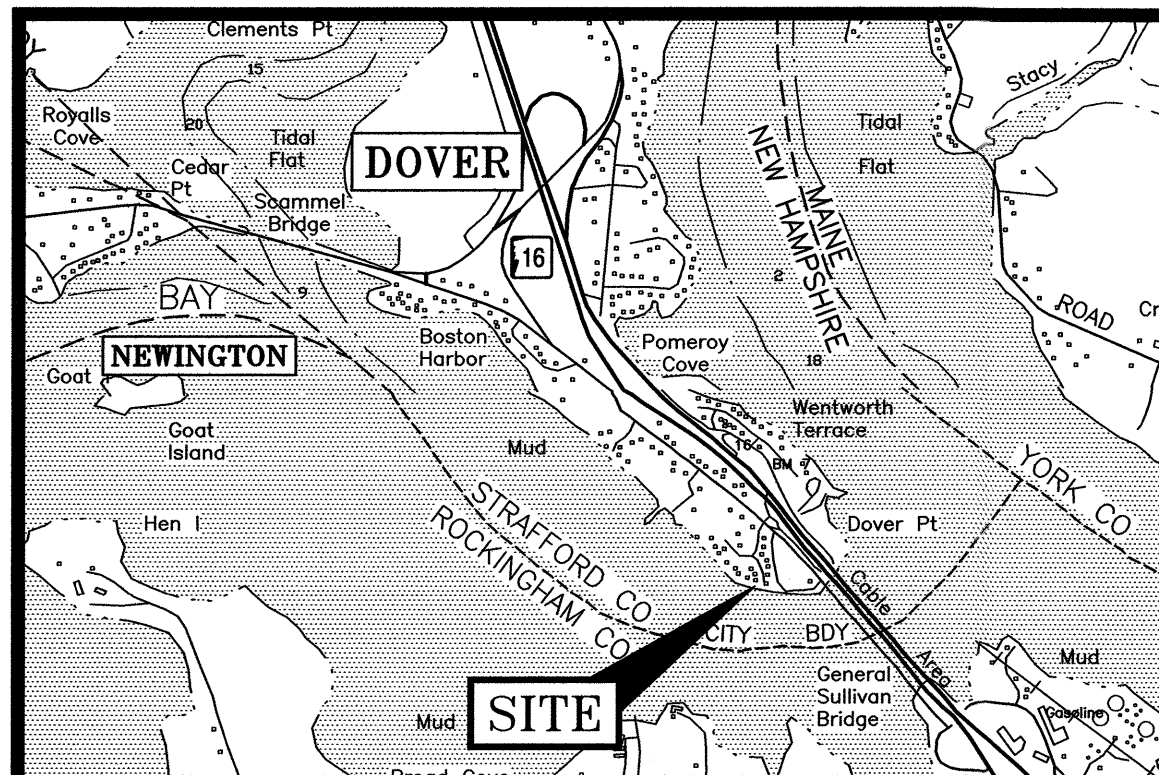


Notes

14 Leighton Road
Dover, NH
Tax Map 8 Lot 19



EXISTING CONDITIONS PLAN



LOCATION MAP

SCALE 1"=2,000'

LEGEND:

N/F	NOW OR FORMERLY
RP	RECORD OF PROBATE
SCRD	STRAFFORD COUNTY REGISTRY OF DEEDS
11/21	MAP 11 / LOT 21
RAILROAD SPIKE FOUND	
IRON ROD/IRON PIPE FOUND	
IRON PIPE FOUND	
STONE/CONCRETE BOUND FOUND	
RAILROAD SPIKE SET	
IRON ROD SET	
DRILL HOLE SET	
GRANITE BOUND SET	
BOUNDARY	
BUILDING SETBACK	
MEAN HIGH WATER LINE	
NH DES HIGHEST OBSERVABLE TIDE LINE	
NH DES 50' PRIMARY STRUCTURE SETBACK LINE	
PSS	
TBZ	NH DES 100' TIDAL BUFFER ZONE LINE
NWB	NH DES 150' NATURAL WOODLAND BUFFER ZONE LINE
SWQPA	NH DES 250' PROTECTED SHORELAND LINE
OVERHEAD ELECTRIC/WIRES	
CONTOUR	
SPOT ELEVATION	
EDGE OF PAVEMENT (EP)	
WOODS / TREE LINE	
UTILITY POLE (w/ GUY)	
GAS SHUT OFF	
WATER SHUT OFF/CURB STOP	
GATE VALVE	
HYDRANT	
METER (GAS, WATER, ELECTRIC)	
EDGE OF WETLAND FLAGGING	
SWAMP / MARSH	
ELEVATION	
EDGE OF PAVEMENT	
FINISHED FLOOR	
INVERT	
TEMPORARY BENCHMARK	
TYP.	TYPICAL
LSA	LANDSCAPED AREA

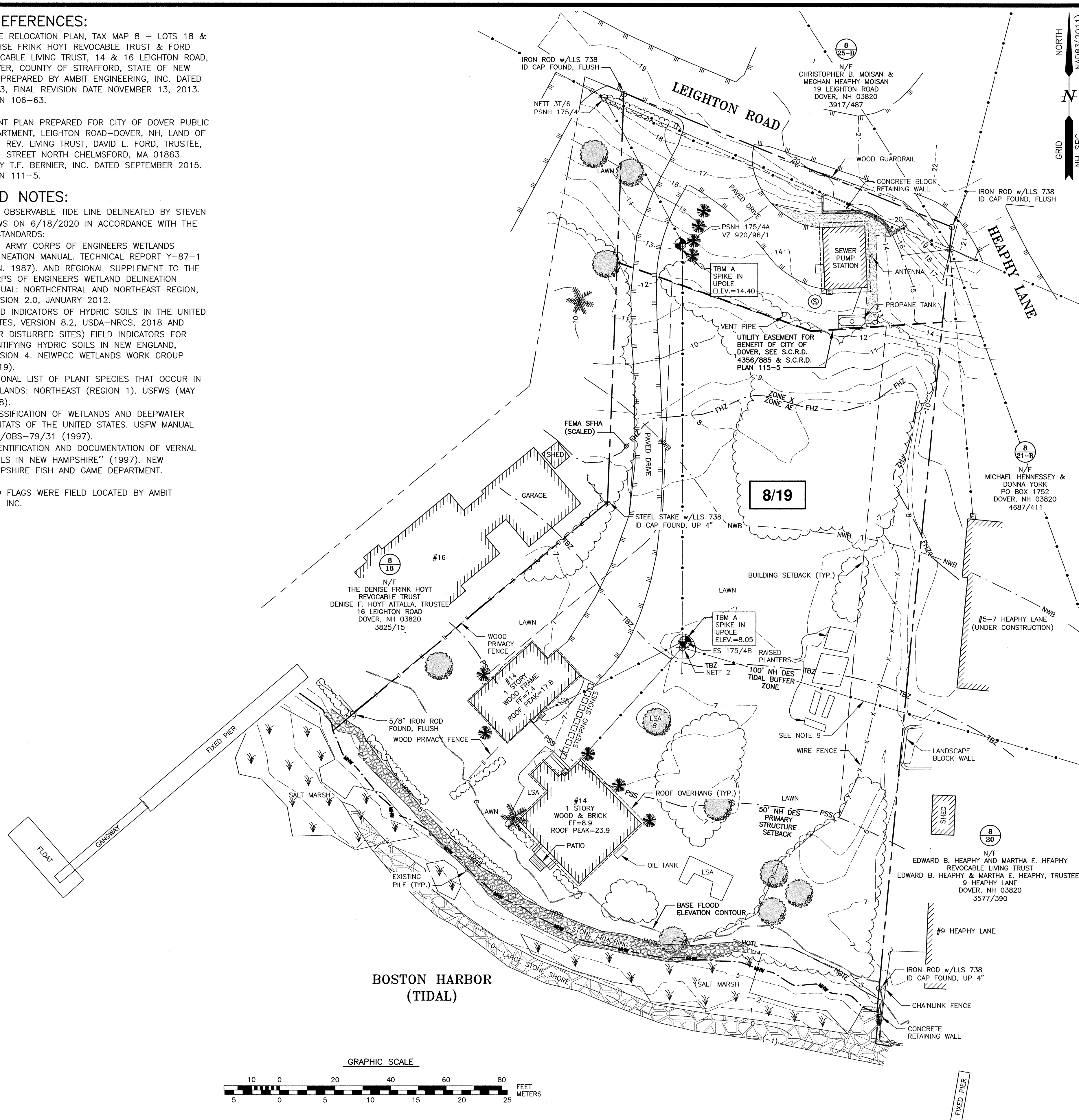
PLAN REFERENCES:

- 1) LOT LINE RELOCATION PLAN, TAX MAP 8 - LOTS 18 & 19 FOR DENISE FRANK HOYT REVOCABLE TRUST & FORD FAMILY REVOCABLE LIVING TRUST, 14 & 16 LEIGHTON ROAD, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE. PREPARED BY AMBIT ENGINEERING, INC. DATED AUGUST 2013, FINAL REVISION DATE NOVEMBER 13, 2013. S.C.R.D. PLAN 106-63.
- 2) EASEMENT PLAN PREPARED FOR CITY OF DOVER PUBLIC WORKS DEPARTMENT, LEIGHTON ROAD-DOVER, NH, LAND OF FORD FAMILY REV. LIVING TRUST, DAVID L. FORD, TRUSTEE, 51 SHERMAN STREET NORTH CHELMSFORD, MA 01863. PREPARED BY T.F. BERNIER, INC. DATED SEPTEMBER 2015. S.C.R.D. PALN 111-5.

WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 6/18/2020 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987). AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEWPCC WETLANDS WORK GROUP (2019).
 - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
 - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
 - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.

- 2) WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors

200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

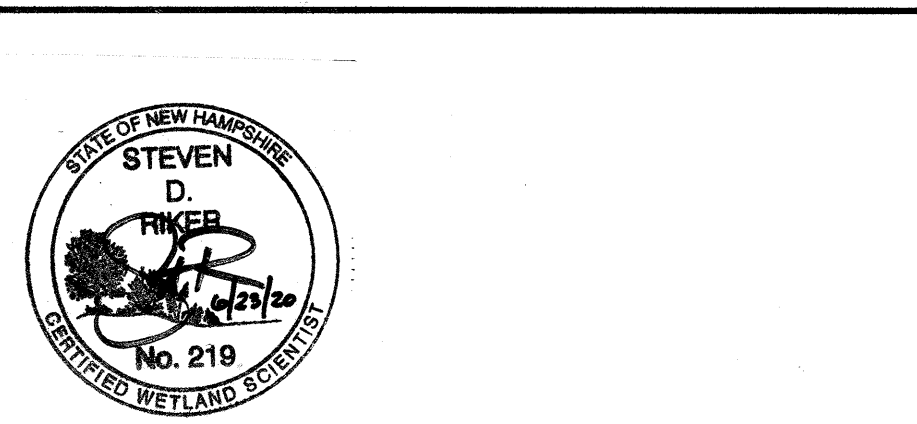
NOTES:

- 1) PARCEL IS SHOWN ON THE CITY OF DOVER ASSESSOR'S MAP 8 AS LOT 19.
- 2) OWNER OF RECORD:
FORD LIVING TRUST
DAVID L. FORD, TRUSTEE
15 SHERMAN STREET
NORTH CHELMSFORD, MA 01863
4528/140
- 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA (ZONE AE, EL.6) AS SHOWN ON FIRM PANEL 33017C0405E. EFFECTIVE DATE SEPTEMBER 30, 2015.
- 4) EXISTING LOT AREA:
44,373± S.F. (PER PLAN REF. 1)
1.0187± ACRES (PER PLAN REF. 1)
- 5) PARCEL IS LOCATED IN THE LOW DENSITY RESIDENTIAL (R-20) ZONING DISTRICT.
- 6) DIMENSIONAL REQUIREMENTS:

LOT AREA:	20,000 S.F.
FRONTAGE:	125 FEET
SETBACKS:	FRONT 20 FEET MIN.
	REAR 35 FEET MAX.
	SIDE 20 FEET
	REAR 30 FEET
MAXIMUM STRUCTURE HEIGHT:	35 FEET
MAXIMUM LOT COVERAGE:	30%
- 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON ASSESSOR'S MAP 8 LOT 19 IN THE CITY OF DOVER.
- 8) VERTICAL DATUM IS NAVD88. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS (±0.2'). MEAN HIGH WATER (MHW) ELEVATION SHOWN HEREON IS BASED ON NOAA STATION 8420411-DOVER, COCHECO RIVER, WITH MHW BEING AT ELEVATION 3.37.
- 9) EASEMENT OR OTHER RIGHTS FOR WIRES NOT FOUND IN SUBJECT PARCEL OR ABUTTING PARCEL DEEDS.
- 10) THE PARCEL IS ALMOST ENTIRELY WITHIN THE SHORELAND PROTECTION ZONE.

PROPERTY REDEVELOPMENT
DR LEMIEUX BUILDERS, LLC
14 LEIGHTON ROAD
DOVER, N.H.

NO.	DESCRIPTION	DATE
1	CORRECT BASE FLOOD ELEVATION	6/24/20
0	ISSUED FOR COMMENT	6/23/20

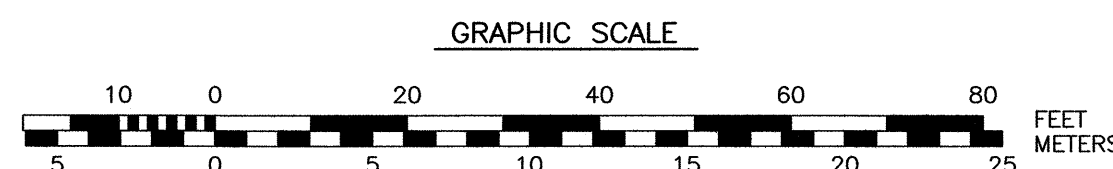
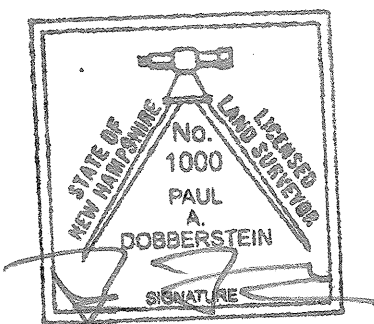


SCALE 1"=20' JUNE 2020

EXISTING CONDITIONS PLAN C1

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

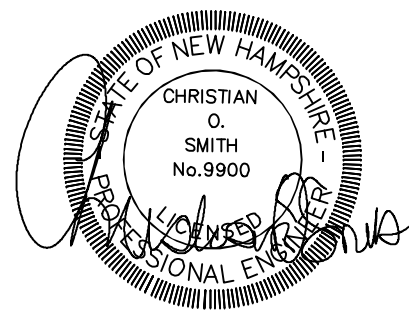
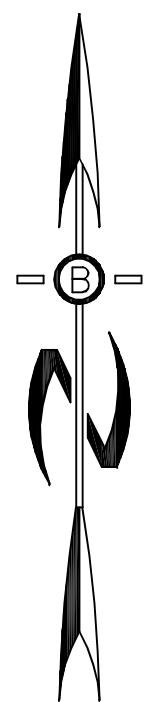
PAUL A DOBBERSTEIN, LLS
DATE 6/24/2020



SITE PLANS



LOCATION MAP
NTS'

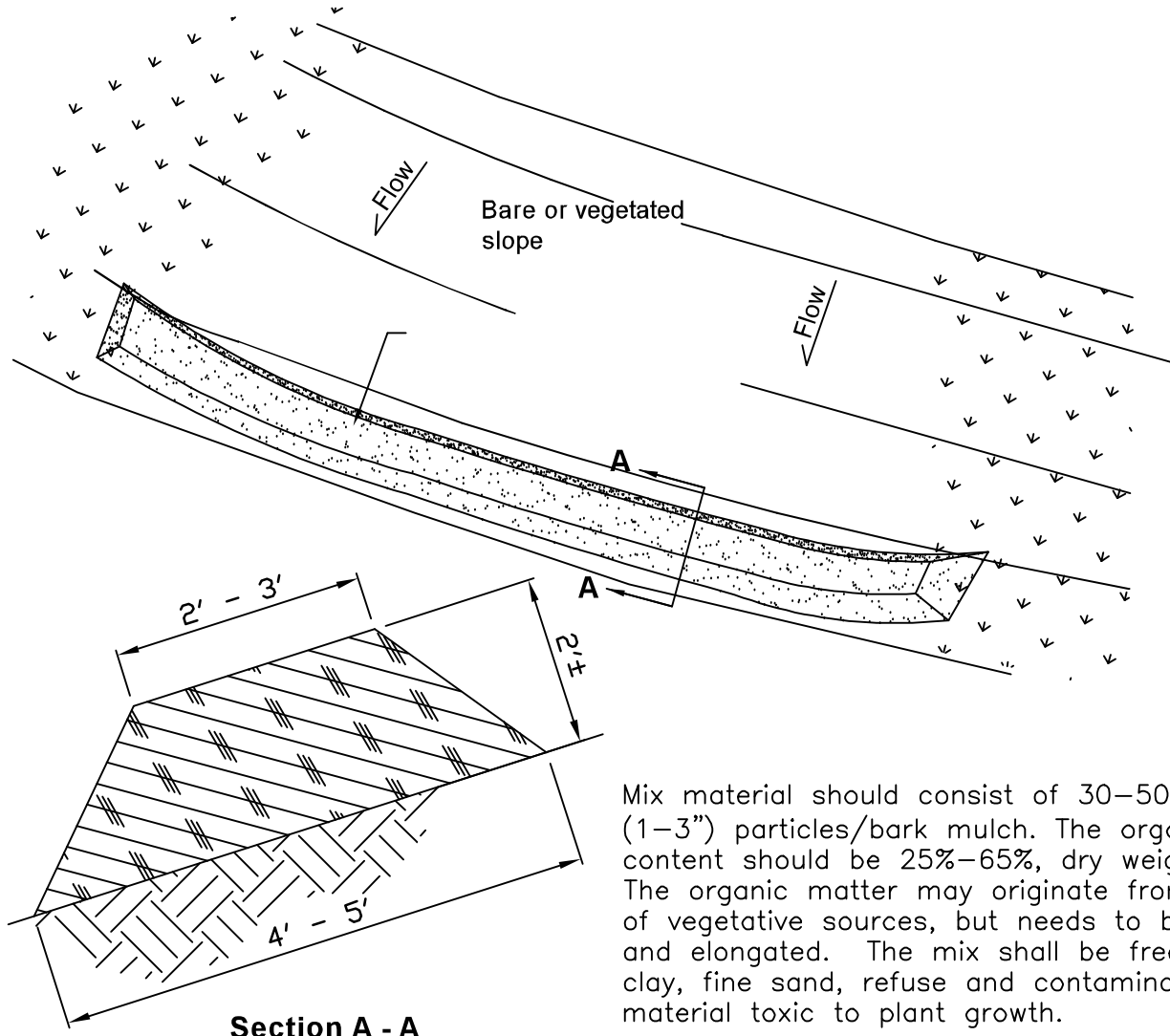


UNDERGROUND FACILITIES, UTILITIES,
1-888-DIG-SAFE (1-888-344-7233),
AND EXETER DPW (603) 773-6157

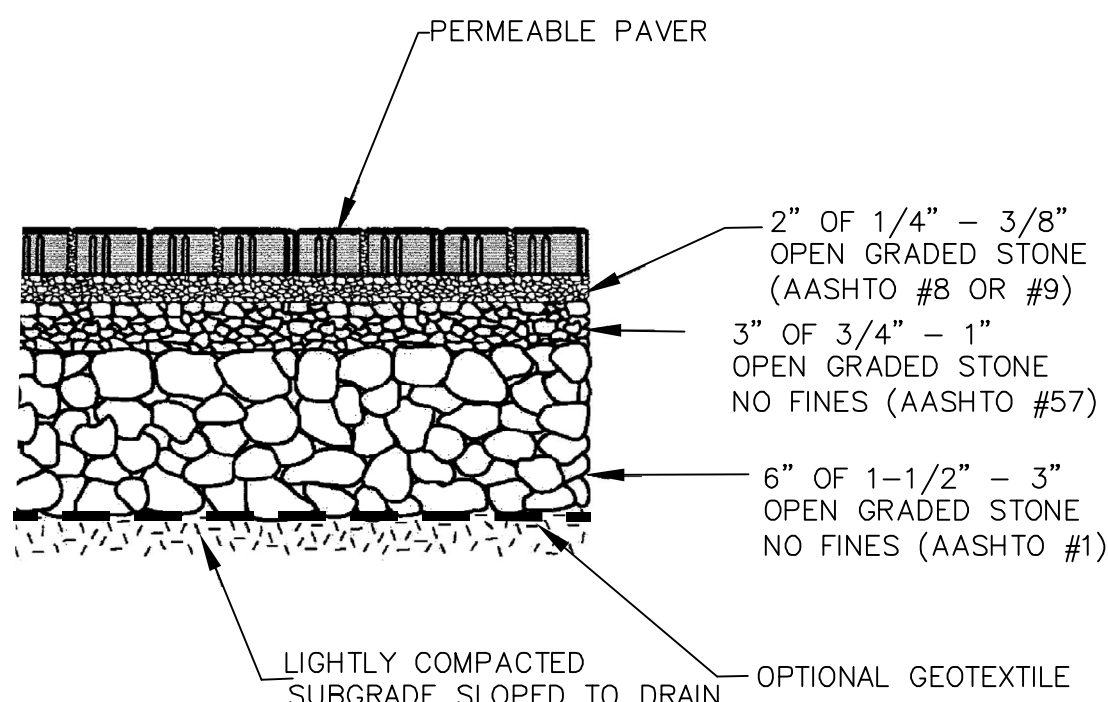


NOTES

1. ALL EXISTING STRUCTURES IN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS, UNLESS NOTED TO REMAIN ON THE SITE PLANS. ANY BURNING ON-SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. ALL EXISTING UTILITIES SHALL BE TERMINATED AT THE PROPERTY LINE, OR AS SHOWN ON THE DESIGN PLANS, IN CONFORMANCE WITH LOCAL, STATE AND UTILITY COMPANY STANDARDS, SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES PRIOR TO THE START OF WORK.
3. EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
4. THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE SILT FENCING IS NOT REQUIRED WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES.
5. EXISTING SEWER SERVICE AND APPURTENANCES TO BE REMOVED AND DISPOSED OF PER TOWN AND STATE REQUIREMENTS. NEW SERVICES FOR EACH UNIT TO BE INSTALLED & CONNECTED PER TOWN SPECIFICATIONS. SEQUENCING AND SCHEDULING.
6. DEMOLITION REQUIREMENTS: CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH THE ADJACENT AND OCCUPIED BUILDING AREAS, IN COMPLIANCE WITH THE GOVERNING LAWS. PRIME CONSIDERATION SHALL BE GIVEN TO THE SAFETY, PROTECTION AND CONVENIENCE OF THE PUBLIC AND OWNER'S PERSONNEL.
2.1. EMPLOY TARPULINS ON TRUCKS CARRYING DEBRIS TO PREVENT SPREADING DUST OR DEBRIS. CLEAN UP LOOSE DEBRIS DAILY TO PREVENT THE WIND SPREADING DEBRIS.
7. LEAVE SITE IN CLEAN CONDITION.
8. THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
9. WETLAND AREA SHOWN WAS FIELD DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. OF EXETER, NH.



Erosion Control Mix Berm



PERMEABLE PAVER DETAIL
TO BE "TREMOR" OR APPROVED EQUAL

NOT TO SCALE



REVISIONS:	DATE:

PREPARED FOR:

DR LEMIEUX
76 EXETER ROAD.
NEWMARKET, NEW HAMPSHIRE



70 PORTSMOUTH AVE,
THIRD FLOOR, SUITE 2
STRATHAM, N.H. 03885
PHONE: 603-583-4860,
FAX: 603-583-4863

DEVELOPEMENT PLAN

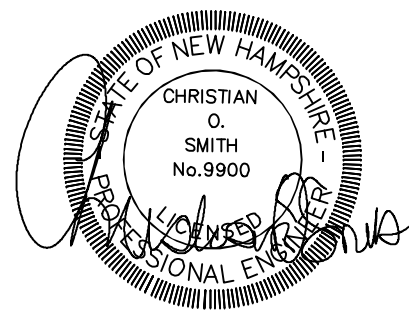
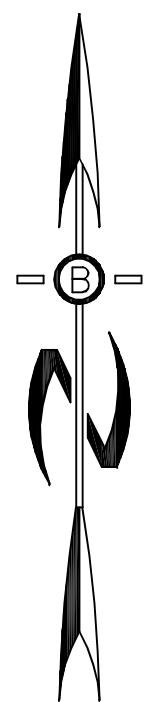
RESIDENTIAL DEVELOPMENT
14 LEIGHTON ROAD
DOVER, NH
TAX MAP 8, LOT 19

DATE:	NOV, 2023	SCALE:	1"=20'
PROJ. NO:	NH-1323	SHEET NO.	1

WETLAND IMPACT PLAN



LOCATION MAP
NTS'

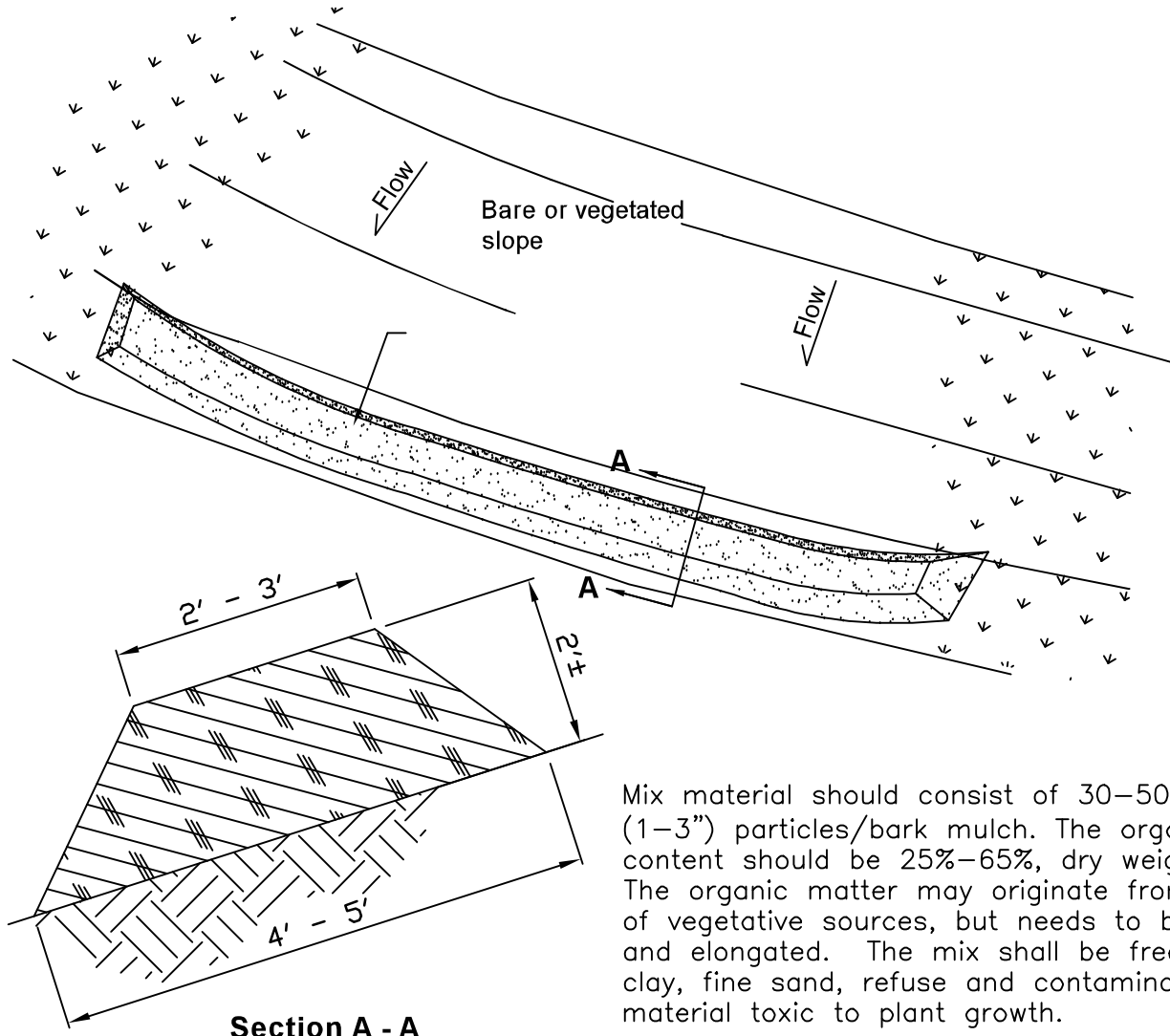


UNDERGROUND FACILITIES, UTILITIES,
1-888-DIG-SAFE (1-888-344-7233),
AND EXETER DPW (603) 773-6157



NOTES

1. ALL EXISTING STRUCTURES IN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS, UNLESS NOTED TO REMAIN ON THE SITE PLANS. ANY BURNING ON-SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. ALL EXISTING UTILITIES SHALL BE TERMINATED AT THE PROPERTY LINE, OR AS SHOWN ON THE DESIGN PLANS, IN CONFORMANCE WITH LOCAL, STATE AND UTILITY COMPANY STANDARDS, SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES PRIOR TO THE START OF WORK.
3. EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
4. THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE SILT FENCING IS NOT REQUIRED WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES.
5. EXISTING SEWER SERVICE AND APPURTENANCES TO BE REMOVED AND DISPOSED OF PER TOWN AND STATE REQUIREMENTS. NEW SERVICES FOR EACH UNIT TO BE INSTALLED & CONNECTED PER TOWN SPECIFICATIONS. SEQUENCING AND SCHEDULING.
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7. LEAVE SITE IN CLEAN CONDITION.
8. THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
9. WETLAND AREA SHOWN WAS FIELD DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. OF EXETER, NH.

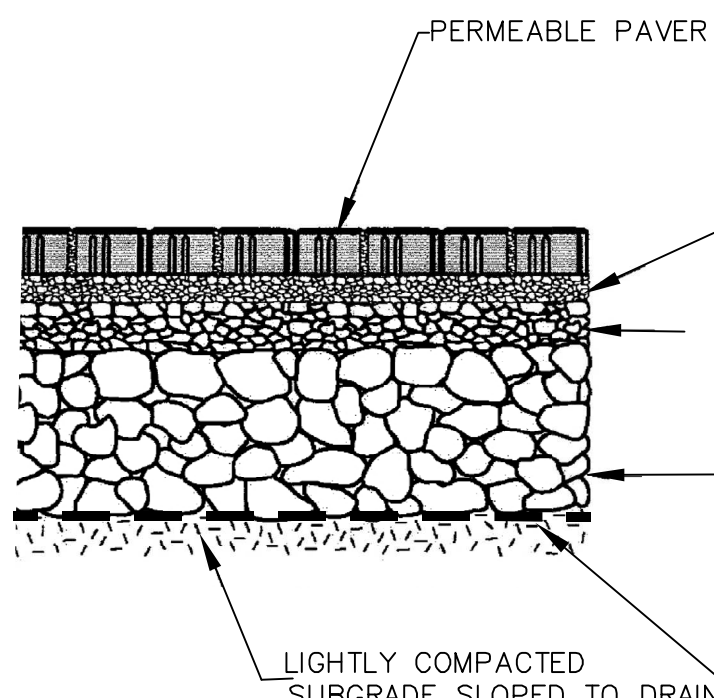


Section A - A

Mix material should consist of 30-50% large (1-3") particles/bark mulch. The organic matter content should be 25%-65%, dry weight basis. The organic matter may originate from a variety of vegetative sources, but needs to be fibrous and elongated. The mix shall be free of silt, clay, fine sand, refuse and contaminants or any material toxic to plant growth.

Erosion Control Mix berms are effective filters for overland flow conditions and should not be used to filter concentrated flow such as that found in drainage ditches, streams, etc.

Erosion Control Mix Berm



PERMEABLE PAVER DETAIL
TO BE "TREMOR" OR APPROVED EQUAL

NOT TO SCALE



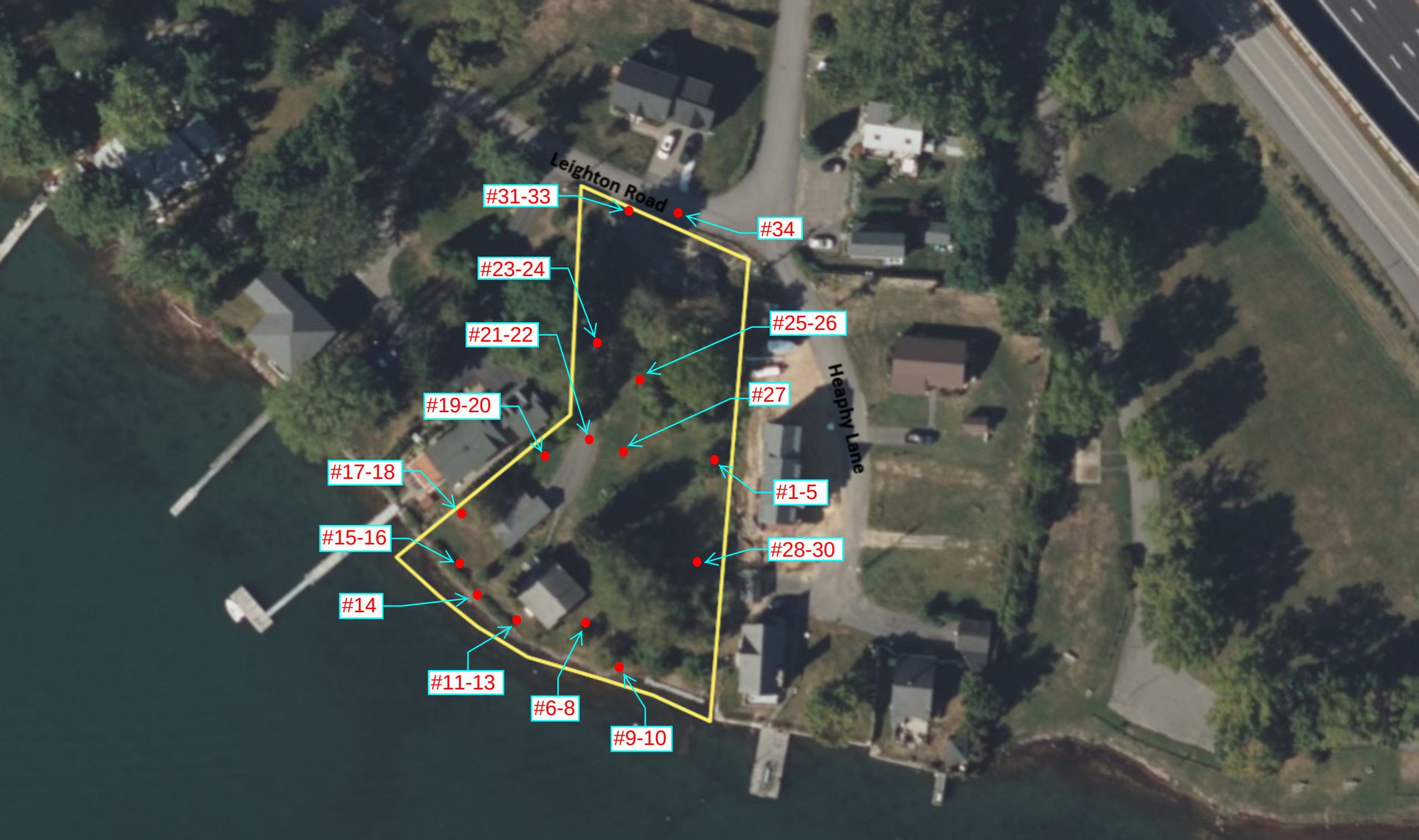
REVISIONS:	DATE:

DEVELOPEMENT PLAN

RESIDENTIAL DEVELOPMENT
14 LEIGHTON ROAD
DOVER, NH
TAX MAP 8, LOT 19

DATE:	NOV, 2023	SCALE:	1"=20'
PROJ. NO:	NH-1323	SHEET NO.	1

PHOTOLOG OF IMPACT AREAS



Leighton Road

Happy Lane

#31-33

#34

#23-24

#25-26

#21-22

#27

#19-20

#1-5

#17-18

#28-30

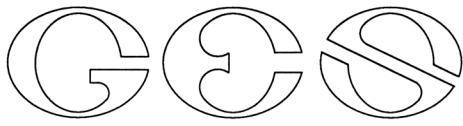
#15-16

#14

#11-13

#6-8

#9-10



GOVE ENVIRONMENTAL SERVICES, INC.

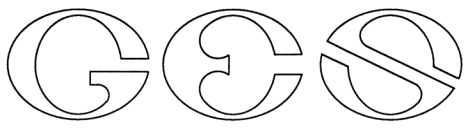
Photo Log
Leighton Road Dover, NH
Photos Taken 8/11/2023



Photo #1: Looking south at residential lawn adjacent to Piscataqua River.



Photo #2: Looking southwest at residential lawn adjacent to Piscataqua River.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #3: Looking west at residential lawn.

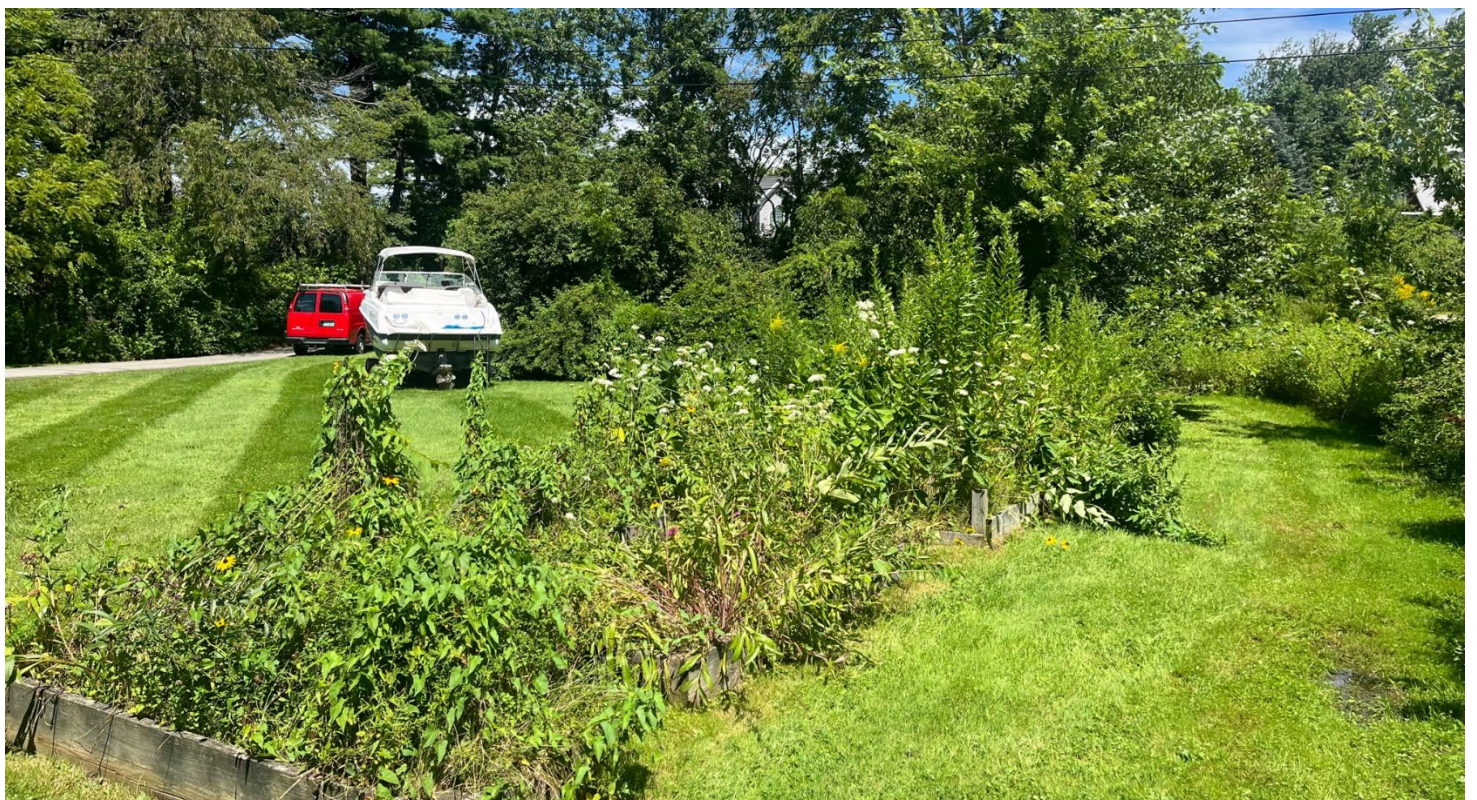
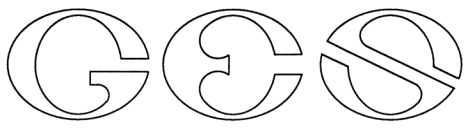


Photo #4: Looking northwest at proposed redevelopment area.



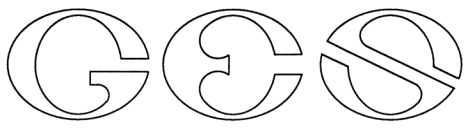
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #5: Looking north at proposed redevelopment area.



Photo #6: Looking west at existing residential dwelling.



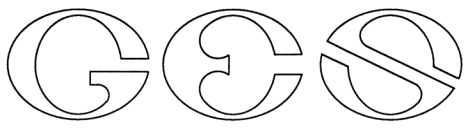
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #7: Looking northwest.



Photo #8: Looking east.



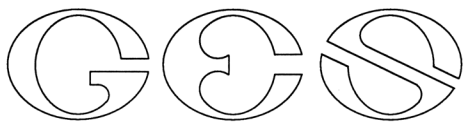
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #9: Looking east at shoreline.



Photo #10: Looking west at shoreline.



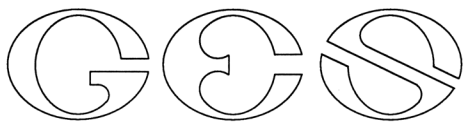
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #11: Looking northeast at existing residential dwelling from shoreline.



Photo #12: Looking northeast at residential lawn adjacent to shoreline.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #13: Looking northwest at existing residential dwelling adjacent to shoreline.



Photo #14: Looking northwest at shoreline.

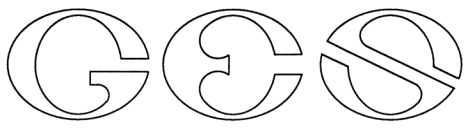
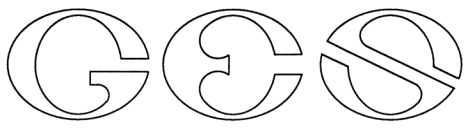


Photo #15: Looking northeast at existing residential cottage.



Photo #16: Looking east at existing residential dwelling adjacent to shoreline.



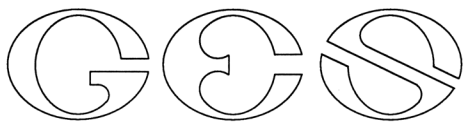
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #17: Looking south at existing residential cottage (left) and brick dwelling (right).



Photo #18: Looking northeast at existing residential cottage.



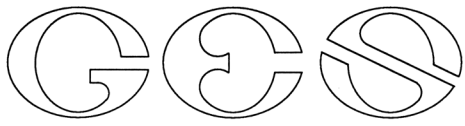
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #19: Looking southwest at existing residential cottage adjacent to Piscataqua River.



Photo #20: Looking south at existing residential cottage (right) and existing residential dwelling (left).



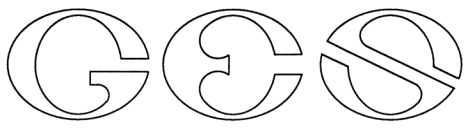
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #21: Looking south at existing residential cottage (right) and existing residential dwelling (left).



Photo #22: Looking southeast at existing residential dwelling, lawn, and garden.



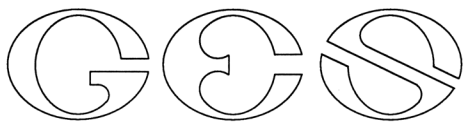
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #23: Looking southwest at proposed redevelopment area.



Photo #24: Looking south.



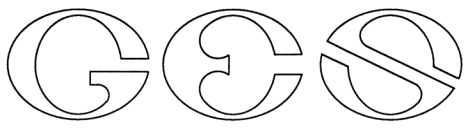
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #25: Looking east at proposed redevelopment area.



Photo #26: Looking northwest at proposed redevelopment area.



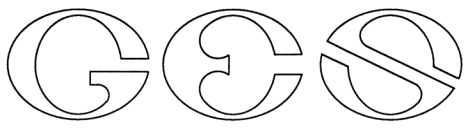
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #27: Looking south at existing residential cottage (right) and existing residential dwelling (left).



Photo #28: Looking north at proposed redevelopment area.



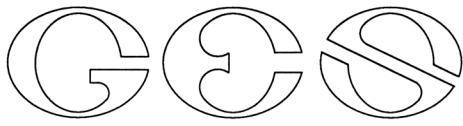
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #29: Looking south proposed redevelopment area.



Photo #30: Looking southwest at proposed redevelopment area.



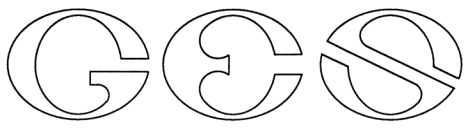
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #31: Looking south at existing driveway.



Photo #32: Looking west at Leighton Road.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #33: Looking southeast at water shed easement.



Photo #34: Looking south at existing water shed easement driveway (left) and existing driveway to dwellings (right).

Appendix I
New Hampshire Natural Heritage Bureau Inquiry



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

To: Brenden Walden, Gove Environmental Services, Inc.
8 Continental Drive Bldg 2 Unit H
Exeter, NH 03833
info@gesinc.biz

From: NHB Review
NH Natural Heritage Bureau
Main Contact: Ashley Litwinenko - nhbreview@dncr.nh.gov

cc: NHFG Review, Anthony Tur

Date: 08/09/2023 (valid until 08/09/2024)

Re: DataCheck Review by NH Natural Heritage Bureau and NH Fish & Game

Permits: NHDES - Shoreland Standard Permit, NHDES - Wetland Standard Dredge & Fill - Major, USACE - General Permit

NHB ID: NHB23-2320

Town: Dover

Location: 14 Leighton Road

Project Description: The applicant is proposing a residential redevelopment of the existing residential dwellings on the property.

Next Steps for Applicant:

NHB's database has been searched for records of rare species and exemplary natural communities. Please carefully read the comments and consultation requirements below.

NHB Comments: Please ensure proper erosion and sediment controls are used to avoid impacts to the exemplary natural communities and systems listed on the DataCheck Letter.

NHFG Comments: Please refer to NHFG consultation requirements below. Please indicate if work will occur in water.

NHB Consultation

If this NHB DataCheck letter includes records of rare plants and/or natural communities/systems, please contact NHB and provide any requested supplementary materials by emailing nhbreview@dncr.nh.gov.

If this NHB DataCheck letter DOES NOT include any records of rare plants and/or natural communities/systems, no further consultation with NHB is required.



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NH Fish and Game Department Consultation

If this NHB DataCheck letter DOES NOT include ANY wildlife species records, then, based on the information submitted, no further consultation with the NH Fish and Game Department pursuant to Fis 1004 is required.

If this NHB DataCheck letter includes a record for a threatened (T) or endangered (E) wildlife species, consultation with the New Hampshire Fish and Game Department under Fis 1004 may be required. To review the Fis 1000 rules (effective February 3, 2022), please go to <https://wildlife.state.nh.us/wildlife/environmental-review.html>. All requests for consultation and submittals should be sent via email to NHFGreview@wildlife.nh.gov or can be sent by mail, and **must include the NHB DataCheck results letter number and "Fis 1004 consultation request" in the subject line.**

If the NHB DataCheck response letter does not include a threatened or endangered wildlife species but includes other wildlife species (e.g., Species of Special Concern), consultation under Fis 1004 is not required; however, some species are protected under other state laws or rules, so coordination with NH Fish & Game is highly recommended or may be required for certain permits. While some permitting processes are exempt from required consultation under Fis 1004 (e.g., *statutory permit by notification, permit by rule, permit by notification, routine roadway registration, docking structure registration, or conditional authorization by rule*), coordination with NH Fish & Game may still be required under the rules governing those specific permitting processes, and it is recommended you contact the applicable permitting agency. For projects not requiring consultation under Fis 1004, but where additional coordination with NH Fish and Game is requested, please email NHFGreview@wildlife.nh.gov, and include the NHB DataCheck results letter number and "review request" in the email subject line.

Contact NH Fish & Game at (603) 271-0467 with questions.



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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NHB Database Records:

The following record(s) have been documented in the vicinity of the proposed project.

Please see the map and detailed information about the record(s) on the following pages.

Natural Community	State ¹	Federal	Notes
Eelgrass bed	--	--	
Sparsely vegetated intertidal system	--	--	Threats to these communities are primarily alterations to the hydrology of the wetland (such as alterations that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.
Subtidal system	--	--	Threats to these communities are primarily alterations to the hydrology of the wetland (such as alterations that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

Vertebrate species	State ¹	Federal	Notes
Atlantic Sturgeon (<i>Acipenser oxyrinchus oxyrinchus</i>)	T	T	Contact the NH Fish & Game Dept (see above) and the US Fish & Wildlife Service (see below).
Shortnose Sturgeon (<i>Acipenser brevirostrum</i>)	E	E	Contact the NH Fish & Game Dept (see above) and the US Fish & Wildlife Service (see below).

¹Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list.

An asterisk (*) indicates that the most recent report for that occurrence was 20 or more years ago.

For all animal reviews, refer to 'IMPORTANT: NHFG Consultation' section above. Contact for federally-listed animals: Anthony Tur, US FWS, at (603) 223-2541.

Disclaimer: NHB's database can only tell you of known occurrences that have been reported to NHFG/NHB. Known occurrences are based on information gathered by qualified biologists or members of the public, reported to our offices, and verified by NHB/NHFG.

However, many areas have never been surveyed, or have only been surveyed for certain species.

NHB recommends surveys to determine what species/natural communities are present onsite.

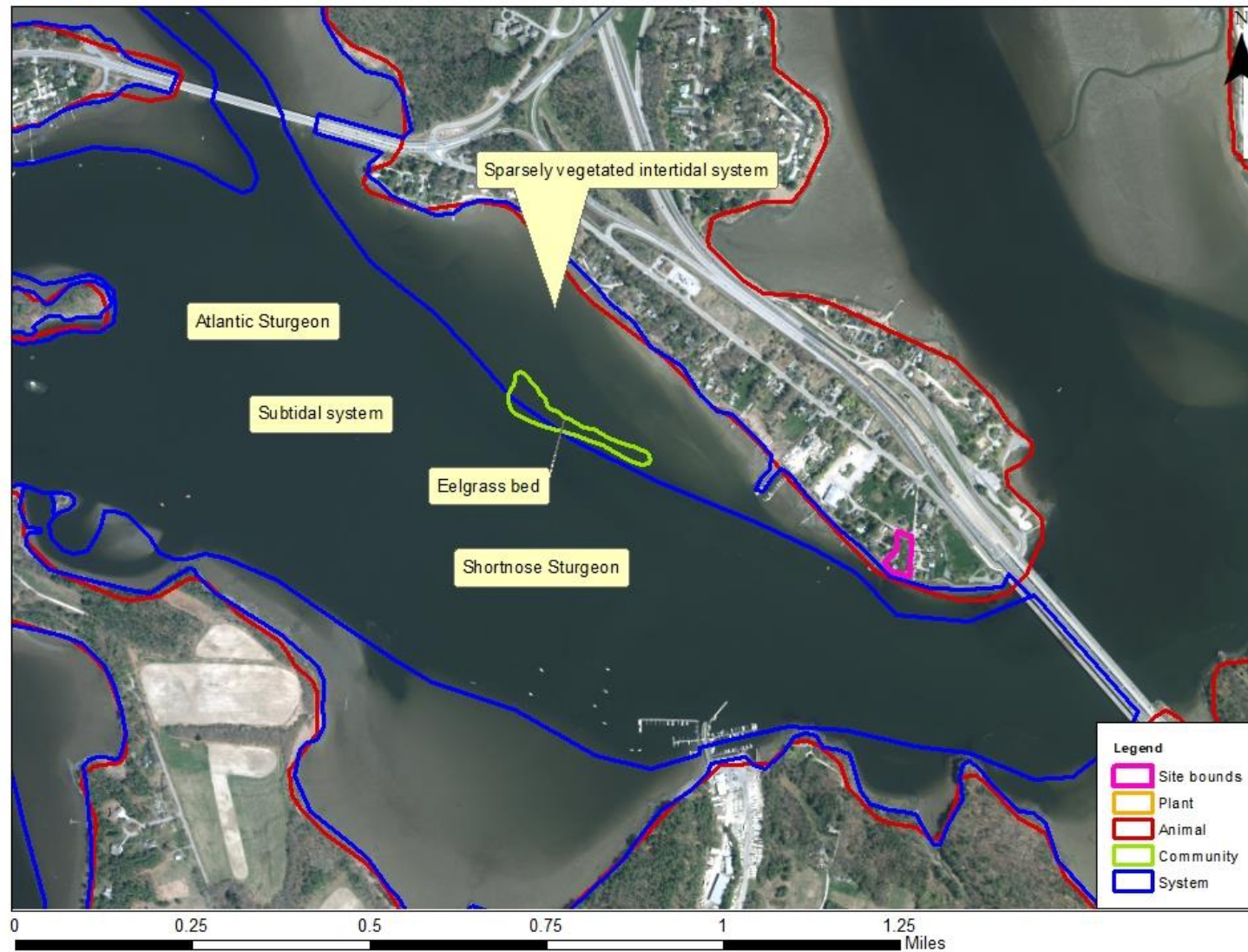


NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

CE00000130*002*NH

New Hampshire Natural Heritage Bureau - Community Record

Eelgrass bed

Legal Status

Federal: Not listed

State: Not listed

Conservation Status

Global: Not ranked (need more information)

State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked

Comments on Rank: --

Detailed Description: 2017: 174.6 acres of eelgrass bed mapped over 90 individual patches.

General Area: 2017: In permanently inundated tidal waters from Little Bay down to the mouth of Portsmouth Harbor. Often occurred with macroalgae.

General Comments: 2017: Data derived from report on annual mapping of eelgrass extent in the Great Bay estuary.

Management: --

Comments:

Location

Survey Site Name: Piscataqua River

Managed By:

County:

Town(s): Out-Of-State

Size: 183.6 acres

Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2017: Eelgrass beds in portions of Portsmouth Harbor, the Piscataqua River, and Little Bay. Includes areas in Maine state waters.

Dates documented

First reported: 2017

Last reported: 2017

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

EE00000002*001*NH

New Hampshire Natural Heritage Bureau - System Record

Sparsely vegetated intertidal system

Legal Status

Federal: Not listed

State: Not listed

Conservation Status

Global: Not ranked (need more information)

State: Rare or uncommon

Description at this Location

Conservation Rank: Good quality, condition and landscape context ('B' on a scale of A-D).

Comments on Rank: --

Detailed Description: Extensive ***intertidal flats*** that are exposed daily at low tide, bordered in places by ***intertidal rocky shore*** and ***coastal shoreline strand/swale*** communities.

General Area: 2010: Borders **salt marsh system** landward and **subtidal system** seaward.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Great Bay

Managed By: Moody Point Open Space

County: Rockingham

Town(s): Newington

Size: 3589.5 acres

Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: Occurs throughout Great Bay from the mouths of its tributaries, through Little Bay, to the confluence with the Piscataqua River.

Dates documented

First reported: 1997-06-23

Last reported: 2010-10-13

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

EE00000001*001*NH

New Hampshire Natural Heritage Bureau - System Record

Subtidal system

Legal Status

Federal: Not listed

State: Not listed

Conservation Status

Global: Not ranked (need more information)

State: Rare or uncommon

Description at this Location

Conservation Rank: Good quality, condition and landscape context ('B' on a scale of A-D).

Comments on Rank: --

Detailed Description: Channels and bay bottoms that vary in width from a few feet to almost a mile across, covered by water even at low tide. Patches of subtidal **eelgrass bed** occur at the edge of the adjacent **sparsely vegetated intertidal system**.

General Area: 2010: Borders a **sparsely vegetated intertidal system**.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Great Bay

Managed By: Portsmouth Country Club

County: Rockingham

Town(s): Newington

Size: 3207.7 acres

Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: Occurs throughout the Great Bay estuary, from the upper tidal reaches of tributary streams to the confluence of the bay with the Piscataqua River.

Dates documented

First reported: 1997-06-17

Last reported: 2010-10-13

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

AFCAA01042*003*NH

New Hampshire Natural Heritage Bureau - Animal Record

Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*)

Legal Status

Federal: Listed Threatened

State: Listed Threatened

Conservation Status

Global: Rare or uncommon

State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked

Comments on Rank: --

Detailed Description: 2016: 1 individual, sex unknown, detected in the lower Piscataqua River. 2015: 1 individual, sex unknown, detected in Portsmouth Harbor. 2012: 1 individual, sex unknown, detected in Little Bay.

General Area: 2016: Tidal waters in Portsmouth Harbor, Little Bay, and the Piscataqua River.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Piscataqua River

Managed By:

County:

Town(s): Out-Of-State

Size: 7749.3 acres

Elevation:

Precision: Within 1.5 miles of the area indicated on the map (location information is vague or uncertain).

Directions: 2016: Tidal waters of Portsmouth Harbor, Little Bay, and the Piscataqua River.

Dates documented

First reported: 2012-06-02

Last reported: 2016-05-27

The U.S. Fish & Wildlife Service has jurisdiction over Federally listed species. Please contact them at 70 Commercial Street, Suite 300, Concord NH 03301 or at (603) 223-2541.

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

AFCAA01010*001*NH

New Hampshire Natural Heritage Bureau - Animal Record

Shortnose Sturgeon (*Acipenser brevirostrum*)

Legal Status

Federal: Listed Endangered

State: Listed Endangered

Conservation Status

Global: Rare or uncommon

State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked

Comments on Rank: --

Detailed Description: 2016: 2 individuals, 1 female and 1 sex unknown, detected in Portsmouth Harbor and the lower Piscataqua River. 2015: 3 females and 2 other individuals, sex unknown detected in Portsmouth Harbor. 2014: 1 female detected moving from Portsmouth Harbor up the Piscataqua River to the mouth of the Cocheco River. 2012: 1 female detected in Little Bay. 2011: 1 female detected in Little Bay. 2010: 1 female detected in Little Bay.

General Area: 2016: Tidal waters in Portsmouth Harbor, Little Bay, and the Piscataqua River.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Piscataqua River

Managed By:

County:

Town(s): Out-Of-State

Size: 7749.3 acres

Elevation:

Precision: Within 1.5 miles of the area indicated on the map (location information is vague or uncertain).

Directions: 2016: Tidal waters of Portsmouth Harbor, Little Bay, and the Piscataqua River.

Dates documented

First reported: 2010-11-03

Last reported: 2016-10-20

The U.S. Fish & Wildlife Service has jurisdiction over Federally listed species. Please contact them at 70 Commercial Street, Suite 300, Concord NH 03301 or at (603) 223-2541.

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-2320

EOCODE:

AFCAA01010*001*NH

Brenden Walden

From: Snyder, Kimberly <Kimberly.C.Snyder@wildlife.nh.gov>
Sent: Friday, September 8, 2023 11:39 AM
To: Brenden Walden; FGC: NHFG review
Subject: RE: NHB23-2320.pdf

Thank you Brendan,

As proposed, we do not expect impacts to Atlantic or Shortnose sturgeon as a result of this project.

No further consultation with NHFG is requested at this time.

Kim S.
Program Planner
Nongame and Endangered Wildlife Program
New Hampshire Fish and Game Department
Kimberly.C.Snyder@wildlife.nh.gov
Phone: 603-271-0467

From: Brenden Walden <bwalden@gesinc.biz>
Sent: Wednesday, September 6, 2023 4:37 PM
To: FGC: NHFG review <NHFGreview@wildlife.nh.gov>
Subject: NHB23-2320.pdf

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Good afternoon,
I am getting into this project application and saw the comment requesting clarification on if work will occur in the water associated with this project.
No work will occur within the water in association with this permit application. A permit application was submitted and approved prior property for a tidal docking structure NH DES# 2022-00053.
This is specifically for the residential redevelopment of two existing structures on the subject property and will move them further from the reference line.
If you have any questions or would like any additional information please let me know.
Thanks.

Brenden Walden
Business Manager & Wetland Scientist

GOVE ENVIRONMENTAL SERVICES, INC.
8 Continental Dr, Bldg 2, Unit H,
Exeter, NH 03833-7507
Ph (603) 418-7260 / Cell (207) 710-7863 / Fax (603) 778-0654
bwalden@gesinc.biz

Appendix II
New Hampshire Department of Historic Resources Inquiry

Please mail the completed form and required material to:

New Hampshire Division of Historical Resources
State Historic Preservation Office
Attention: Review & Compliance
172 Pembroke Road, Concord, NH 03301

DHR Use Only	
R&C #	_____
Log In Date	___ / ___ / ___
Response Date	___ / ___ / ___
Sent Date	___ / ___ / ___

Request for Project Review by the New Hampshire Division of Historical Resources

☒ This is a new submittal

☐ This is additional information relating to DHR Review & Compliance (R&C) #:

GENERAL PROJECT INFORMATION

Project Title Residential Redevelopment

Project Location 14 Leighton Road

City/Town Dover Tax Map 8 Lot # 19

NH State Plane - Feet Geographic Coordinates: Easting 1207395 Northing 226949
(See RPR Instructions and R&C FAQs for guidance.)

Lead Federal Agency and Contact (if applicable) ACOE
(Agency providing funds, licenses, or permits)

Permit Type and Permit or Job Reference # NH General Permit

State Agency and Contact (if applicable) NHDES

Permit Type and Permit or Job Reference # Dredge & Fill

APPLICANT INFORMATION

Applicant Name David R. Lemieux

Mailing Address PO Box 1163 Phone Number

City Rochester State NH Zip 03866 Email bwalden@gesinc.biz

CONTACT PERSON TO RECEIVE RESPONSE

Name/Company Brended Walden / Gove Environmental Services

Mailing Address 8 Continental Dr., Bldg 2, Unit H Phone Number 2077107863

City Exeter State NH Zip 03833 Email bwalden@gesinc.biz

*This form is updated periodically. Please download the current form at www.nh.gov/nhdhr/review. Please refer to the Request for Project Review Instructions for direction on completing this form. Submit one copy of this project review form for each project for which review is requested. **Please include a self-addressed stamped envelope.** Project submissions will not be accepted via facsimile or e-mail. This form is required. Review request form must be complete for review to begin. Incomplete forms will be sent back to the applicant without comment. Please be aware that this form may only initiate consultation. For some projects, additional information will be needed to complete the Section 106 review. All items and supporting documentation submitted with a review request, including photographs and publications, will be retained by the DHR as part of its review records. Items to be kept confidential should be clearly identified. For questions regarding the DHR review process and the DHR's role in it, please visit our website at: www.nh.gov/nhdhr/review or contact the R&C Specialist at marika.s.labash@dncr.nh.gov.*

PROJECTS CANNOT BE PROCESSED WITHOUT THIS INFORMATION

Project Boundaries and Description

- ☒ Attach the Project Mapping **using EMMIT or relevant portion of a 7.5' USGS Map.** (See RPR Instructions and R&C FAQs for guidance.)
- ☒ Attach a detailed narrative description of the proposed project.
- ☒ Attach a site plan. The site plan should include the project boundaries and areas of proposed excavation.
- ☒ Attach photos of the project area (overview of project location and area adjacent to project location, and specific areas of proposed impacts and disturbances.) (*Informative photo captions are requested.*)
- ☒ A DHR records search must be conducted to identify properties within or adjacent to the project area. Provide records search results via EMMIT or in **Table 1.** (*Blank table forms are available on the DHR website.*) Please note, using EMMIT Guest View for an RPR records search does not provide the necessary information needed for DHR review.
EMMIT or in-house records search conducted on 8/2/2023.

Architecture

Are there any buildings, structures (bridges, walls, culverts, etc.) objects, districts or landscapes within the project area? ☒ Yes ☐ No
If no, skip to Archaeology section. If yes, submit all of the following information:

Approximate age(s):

- ☒ Photographs of **each** resource or streetscape located within the project area, with captions, along with a mapped photo key. (Digital photographs are accepted. All photographs must be clear, crisp and focused.)
- ☒ If the project involves rehabilitation, demolition, additions, or alterations to existing buildings or structures, provide additional photographs showing detailed project work locations. (i.e. Detail photo of windows if window replacement is proposed.)

Archaeology

Does the proposed undertaking involve ground-disturbing activity? ☒ Yes ☐ No
If yes, submit all of the following information:

- ☒ Description of current and previous land use and disturbances.
- ☒ Available information concerning known or suspected archaeological resources within the project area (such as cellar holes, wells, foundations, dams, etc.)

Please note that for many projects an architectural and/or archaeological survey or other additional information may be needed to complete the Section 106 process.

DHR Comment/Finding Recommendation *This Space for Division of Historical Resources Use Only*

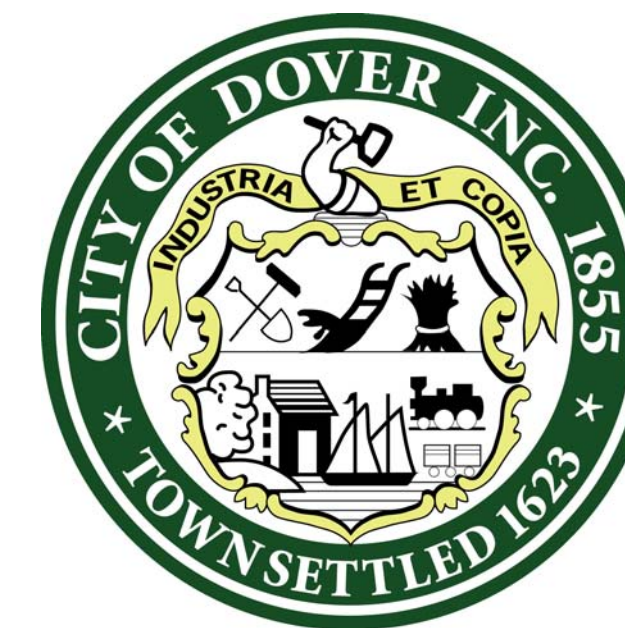
- ☐ **Insufficient information to initiate review.** ☐ Additional information is needed in order to complete review.
- ☐ No Potential to cause Effects ☐ No Historic Properties Affected ☐ No Adverse Effect ☐ Adverse Effect
- Comments: _____

If plans change or resources are discovered in the course of this project, you must contact the Division of Historical Resources as required by federal law and regulation.

Authorized Signature: _____ Date: _____

Appendix III
Tax Map, List of Abutters, Abutter Notification Letter, and Certified Mail Receipts

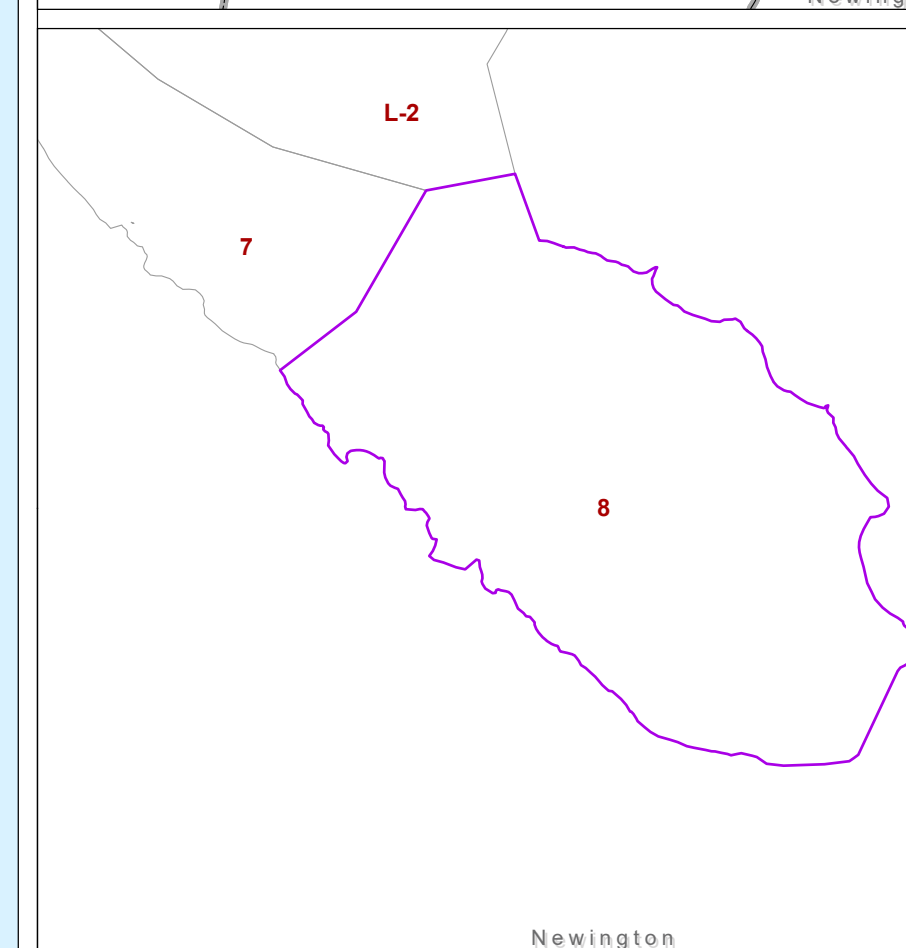
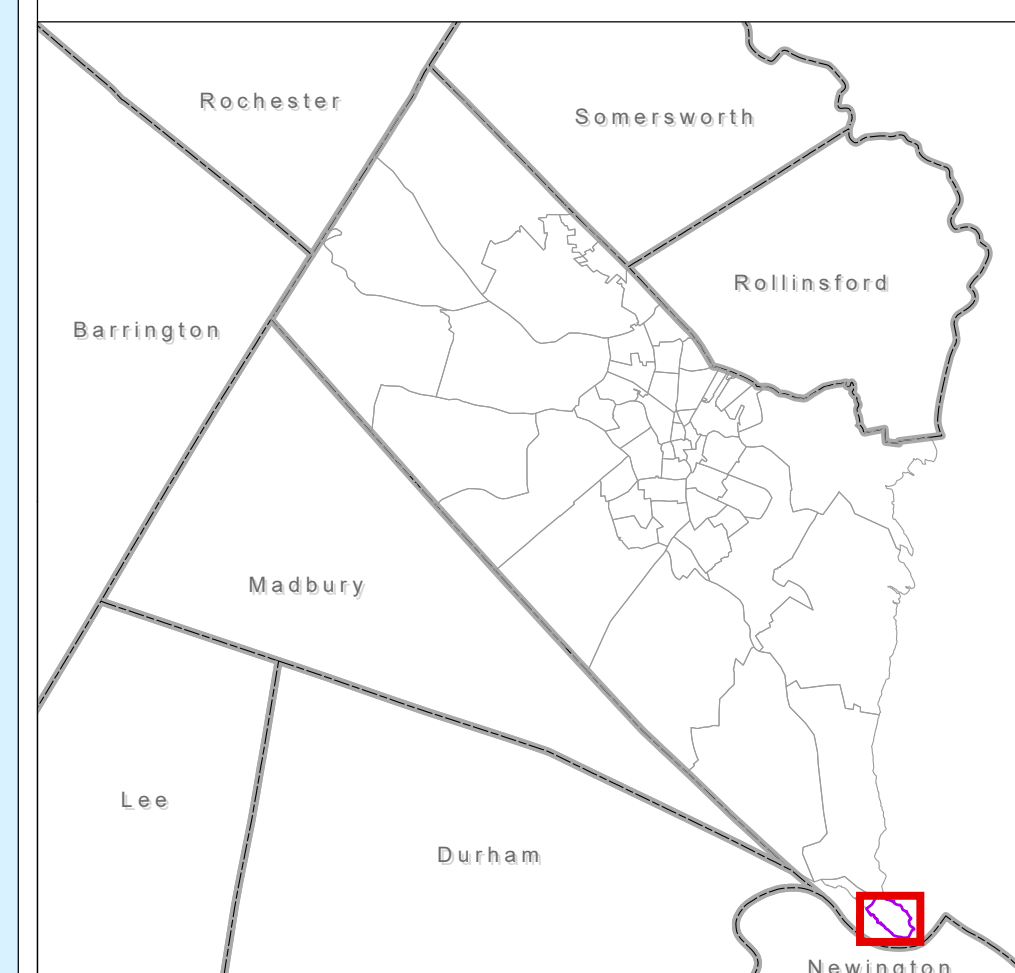
CITY OF DOVER
STAFFORD COUNTY NH
TAX ASSESSORS MAP



Map Page: 8



- Parcels
 - Parcel on Adjacent Maps
 - Buildings
 - Rail Road
 - Water Body
 - Swamp/Marsh
 - Streams
- A-20-0-0 Parcel Number
0.24 AC Parcel Acreage
240 Address Number



200 100 0 200
Feet

1:1,200
1" = 100'

This map is for assessment and planning purposes only. It is not intended to be used for description, conveyance, authoritative definition of any legal boundary, or property title. This is not a survey product. Users are encouraged to examine the documentation associated with the data on which this map is based for information related to its accuracy, currentness and limitations.

Map Generated: Thursday, July 5, 2018



**E-Doc # 200011596
Book 4785 Page 914**

**07/24/2020 11:20:28 AM
Page 1 of 2**

**Catherine A. Berube
Register of Deeds, Strafford County
LCHIP STA161405 25.00
TRANS TAX ST851609 7,050.00**

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS that, **David L. Ford, Trustee of the Ford Living Trust**, a single person, with an address of 51 Sherman Street, North Chelmsford, MA 01863, for consideration paid, grant to **David R. Lemieux**, a single person, with a mailing address of P.O. Box 1163, Rochester, NH 03867,

with **WARRANTY COVENANTS**, the following described premises:

A certain tract or parcel of land with the buildings thereon, situated in Dover, County of Strafford, State of New Hampshire, and being shown as Tax Map 8, Lot 19 on a plan entitled "Lot Line Relocation Plan, Tax Map 8 – Lots 18 & 19, prepared for Denise Frink Hoyt Revocable Trust & Ford Family Revocable Living Trust, 14 & 16 Leighton Road", prepared by Ambit Engineering, Inc., Civil Engineers & Land Surveyors, 200 Griffin Road, Unit 3, Portsmouth, N.H. 03801-7114, dated August 2013, Scale 1" = 20' and recorded in the Strafford County Registry of Deeds as Plan No. 106-063.

Said Lot 19 contains 41,344 square feet or .9491 acres, more or less, according to plan.

Subject to a 20' wide sewer easement to the City of Dover as shown on Deed and Plan recorded at Book 1007, Page 187.

Subject to a Utility Easement Agreement to the City of Dover, recorded at Book 4356, Page 885 and Easement Plan recorded as Plan No. 111-005.

Subject to all facts, matters, easements, restrictions, covenants and conditions of record, insofar as the same are in force and applicable.

This is not homestead property.

Meaning and intending to describe and convey the same premises conveyed to David L. Ford, Trustee of the Ford Living Trust by Quitclaim Deed of David L. Ford, dated October 18, 2017 and recorded in the Strafford County Registry of Deeds at Book 4528, Page 0140.

Witness my hand this 24 day of July, 2020.

Ford Living Trust,
u/d/t October 18, 2017

Jimmy A. Melnick
Witness

David L. Ford
David L. Ford, Trustee

STATE OF NEW HAMPSHIRE
COUNTY OF STRAFFORD

On the 24 day of July, 2020, before me, personally appeared **David L. Ford, Trustee of the Ford Living Trust**, u/d/t October 18, 2017 known to me or satisfactorily proven to be the person whose name is subscribed to the foregoing instrument and acknowledged that they executed the same for the purposes therein contained as their free act and deed.

Jimmy A. Melnick
Notary Public
My commission expires:



Abutters

Subject Property:

Map 8 Lot 19
Lemieux David R
Po Box 1163
Rochester, NH, 03867

Abutters:

Map 8 Lot 20
Heaphy Edward & Martha Trustees
Heaphy Edward And Martha Rev Liv Trust
19 Leighton Rd, Dover, NH, 03820-4690

Map 8 Lot21
Hennessey Michael & York Donna
Po Box 1752
Dover, NH, 03820

Map 8 Lot 18
Frink Seth Matthew Shlain-Frink Debbie
1408 Centre St Newton, MA, 02459-2445

December 4, 2023

«Name»

«Street»

«TownStateZip»

Re: Proposed Residential Redevelopment
Subject: NH Department of Environmental Services Wetlands Bureau
Major Impact Dredge & Fill Application

Dear Abutter:

The purpose of this letter is to inform you that David Lemieux of Dover, NH is applying to the NH Department of Environmental Services Wetlands Bureau, which requires this notice for a dredge and fill permit to impact areas under its jurisdiction. The proposed project is for the residential redevelopment of an existing primary and accessory dwelling. The proposed project will have both temporary and permanent impacts within the previously disturbed 100 ft tidal buffer zone. The project is proposed on Tax map 8 Lot 19 on 14 Leighton Rd, Dover, NH.,

A copy of the application, including plans, will be made available for your review at the town offices and at the NH Department of Environmental Services Wetlands Bureau, 29 Hazen Drive in Concord.

If you have any questions that we might be able to answer, please do not hesitate to contact our office.

Sincerely,

Brenden Walden
GES, Inc.

STRAFFORD

Regional Planning Commission

Date: December 5, 2023

To: Dover Conservation Commission
Jackson Kaspari, Resilience Manager

From: Autumn Scott, Regional Planner
Jackson Rand, GIS Planner

RE: Dover NRI Meeting #2

This memo outlines:

1. A list of potential map layers to guide the discussion on map set revisions (map set sent after mtg. 1)
2. The approach and objectives for conducting the proposed public survey, and subsequently the public workshop, to gather insights into how residents utilize the diverse natural resources within the city and their vision for how these resources should be used in the future. The aim is to facilitate a comprehensive understanding of community preferences and priorities, informing future natural resource management efforts.

Mapping

Data Layers We Typically Include:

- Agricultural Land
- Forested Land
- Prime Farmland
- Farmland of Statewide Importance
- Lakes and Ponds
- Rivers and Streams
- Wetlands
- 100-Year Flood Zone
- Conservation Lands
- Conservation Focus Areas
- Wildlife Action Plan Habitat Tiers



Additional Data Layers to Consider Using:

- Soils
 - Poorly Drained Soils
 - Very Poorly Drained Soils
- Wellhead Protection Areas
- Steep Slopes
- Municipal Buffer Areas Around Waterbodies
- Stratified Drift Aquifers
- Wildlife Corridors

Additional Data Layers to Consider Using for Coastal Communities:

- Predicted Salt Marsh Migration
- SLR of 2 Feet Plus SS
- SLR of 4 Feet Plus SS
- SLR of 6 Feet Plus SS

More information on NRI's can be found from UNH GRANIT
<https://extension.unh.edu/nhnriguide/basic-detailed-nri>

Survey

Grant Proposal Related Task: Task 1.4 Draft Survey Development and NRI Outline

Task Description: SRPC will use results from the kickoff session to develop draft survey questions and NRI Report Outline. Advisory Group Meeting #1: SRPC will meet with the NRI Advisory Group to gather input on draft survey questions and review the draft NRI Report outline. Following which, SRPC will revise the NRI outline and survey questions, using meeting input, and launch the survey using a web-based platform to be selected based upon matching functionality to the desired outcomes. Options include Survey Monkey, Survey123 or MetroQuest. At the survey's conclusion, SRPC will analyze the results. DELIVERABLES: NRI outline, survey, survey summary report.

Approach

The survey will be conducted over a four-week period, with reminders sent out to maximize response rates. After data collection, we will provide a comprehensive analysis and present our findings to the commission. Below

are the overall goals and corresponding example survey questions that will guide our data collection process.

Goals & Sample Questions

1. Identify Priority Natural Resources:

Example Questions:

- a. Which natural resources do you consider most important for the community's well-being?
- b. Please rank the following resources in order of their significance to you: [List of resources].

2. Understand Current Usage Patterns:

Example Questions:

- a. How often do you engage with natural resources, such as parks, water bodies, or green spaces?
 - i. This can be adapted to name specific locations of interest.
- b. What activities do you typically participate in within these natural areas?

3. Assess Awareness:

Example Questions:

- a. How familiar are you with ongoing conservation initiatives in the city?
- b. What information sources do you rely on to stay informed about local conservation efforts?

4. Collect Demographic Data for Response Analysis:

Example Questions:

- a. What is your age group?
- b. How long have you been a resident of the city?
- c. Are you involved in any local community organizations?

Workshop

Grant Proposal Related Task: Task 1.3 Kickoff World Café

Task Description: The project team will hold a World Café kickoff workshop with the community to gather input on locations of historic significance, existing conditions & quality of resources, community needs, goals for the NRI report, the local natural environment, identify specific natural resource priorities and ongoing management efforts. SRPC will also deploy a QR Code to gather images of highly valued natural resources from members of the community. After each workshop, SRPC will engage participants in an

evaluation survey to facilitate process improvement. Results will be incorporated in the final Outreach Summary Report and used to inform the design of similar projects in the future. **DELIVERABLES:** Meeting & event agendas, outreach materials, Participant List & NRI Advisory Group contact list, Outreach Summary Report #1, Evaluation #1 Survey Results

Approach

The workshop will be designed such that it is geared toward gathering the insights of the conservation Commission members to build upon background research conducted by SRPC, but members of the public will also be invited to attend and participate. This interactive event aims to provide a platform for in-depth discussions and collaborative idea generation. The general plan for conducting the workshop is outlined as follows:

Workshop Objectives:

1. In-depth discussions are facilitated to explore specific aspects of natural resource utilization that may require more nuanced insights.
2. Challenges and opportunities faced in utilizing natural resources are identified and opportunities for improvement are outlined.
3. Participants express their views, concerns, and aspirations regarding the city's natural resources.

Workshop Structure:

1. Introduction (15 minutes):
 - Welcome and survey results update.
 - Explanation of the workshop objectives and format.
2. Concurrent Breakout Sessions (1h 45m total, 35m per session)
Facilitators will lead three different activities with the following focal areas:
 1. Goals & visioning: Participants engage in a visioning activity to build consensus on the future of Dover's natural resources. This could include participatory mapping, guided visualization, or other activity types aimed at generating a collaborative vision.
 2. SWOT: Participants engage in an activity to identify local challenges and opportunities by resource type.

3. [Situation analysis](#): Participants begin by identifying their interest and perspective on natural resource management in Dover. Then, participants brainstorm local resources, organizations, and other parties interested in or affected by the management of natural resources in Dover.
5. Closing Remarks and Next Steps (30 minutes):
 - Summarize key takeaways from the workshop. Session facilitators summarize and report out findings from their activity.
 - Review timeline & outline next steps in the project process.

Section 1 Introduction

- Explain the purpose and goals of your NRI; introduce themes such as **climate adaptation & resilience**.
- Reference other existing reports that support your NRI, e.g:
 - Coastal Watershed Conservation Plan
 - Fifth National Climate Assessment
 - Coastal Flood Risk Summary
 - Others?

Section 2 Water Resources

2.1 Watersheds

2.2 Surface Waters

2.2.1 Wetlands & Vernal Pools

2.2.2 Lakes & Ponds

2.2.3 Rivers & Streams

2.3 Aquifers/Groundwater

2.4 Floodplains

2.5 Recommendations for Water Resources

Section 3 WILDLIFE AND HABITATS (use resources from takingactionforwildlife.org)

3.1 Wildlife Habitats

- This section will include a description for each habitat type, flora and fauna present in that habitat, **climate resilience challenges & opportunities**, and [stewardship actions](#) by habitat type.
 - 4.1.1 Hemlock Hardwood Pine Forest
 - 4.1.2 Northern Hardwood Conifer Forest
 - 4.1.3 Lowland Spruce Fir Forest
 - 4.1.4 Appalachian Oak-Pine Forests
 - 4.1.5 Pine Barrens
 - 4.1.6 Grasslands
 - 4.1.7 Shrublands
 - 4.1.8 Floodplain Forests
 - 4.1.9 Peatlands
 - 4.1.10 Marsh and Shrub Wetlands
 - 4.1.11 Northern or Temperate Swamps
 - 4.1.11 Vernal Pools

- 4.1.12 Rocky Ridges and Talus Slopes
- 4.1.13 Caves & Mines
- 4.1.14 Shorelines
- 4.1.15 Headwater Streams

Coastal habitats: upland forest, salt marsh, mudflats, tidal creeks, rocky intertidal, eelgrass beds, and upland field habitats

- 3.2 **Highest Ranked Habitats**
- 3.3 **Natural Heritage Bureau data**
- 3.3 **Wildlife Conservation Priority Areas**
- 3.4 **Recommendations for Wildlife and Habitats**

Section 4 Agriculture and Forestry

- 4.1 **Implications of Climate Change on Agriculture & Forestry Practices**
- 4.2 **Agricultural Soils and Active Farmlands**
- 4.3 **Forest Soils and Forestry**

Section 5 Steep Slopes and Ridgelines

- 5.1 **Steep Slopes**
- 5.2 **Ridgelines**
- 5.3 **Recommendations for Soils and Steep Slopes** (if you are considering a Steep Slopes Ordinance, refer to the chapter *NH Steep Slopes and Ridgeline Protection* in [Innovative Land Use Planning Techniques: A Handbook for Sustainable Development](http://des.nh.gov/repp/innovative_land_use.htm) (http://des.nh.gov/repp/innovative_land_use.htm))

Section 6 Scenic Resources

Section 7 Historic and Cultural Resources

Section 8 Public, Conserved and Recreational Lands